

REPORT

OF THE

COMMISSIONERS OF THE DISTRICT OF COLUMBIA

FOR THE

YEAR ENDED JUNE 30, 1898.

VOL. III.

[HEALTH DEPARTMENT.]

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REPORT OF THE HEALTH OFFICER.

HEALTH DEPARTMENT, DISTRICT OF COLUMBIA,
Washington, June 30, 1898.

GENTLEMEN: I have the honor to submit herewith the twenty-seventh annual report of the health department, being a statement of its operations during the year ended June 30, 1898.

VITAL STATISTICS.

POPULATION.

The vital statistics for the period covered by this report are based upon an estimated population as follows: whites, 191,478; colored, 88,772; total, 280,250. This estimate was made by determining the ratio of increase between previous censuses and applying this ratio to the police census of March, 1897. While by this method a reasonably accurate basis can be secured for the calculation of death rates, it is manifest that it can not be applied so as to afford any information as to changes in the composition of the population. A statement of such changes can not be made until another census has been taken. This limitation upon the value of figures secured by estimation instead of by actual enumeration prevents any very detailed analysis of mortality returns with reference to the various factors in the population.

MORTALITY.

There occurred during the year 5,415 deaths, being 322 less than were registered in 1896-97. Of the decedents, 2,973 were white and 2,442 colored. The death rates were therefore as follows: for the whites, 15.53 per thousand inhabitants; for the colored, 27.51; for the total population, 19.32.

The general death rate for the year (19.32) compares very favorably with that for the year preceding (20.71), and, in fact, with any previous record. Annual statements of vital statistics have been made since 1875-76, and at no other time during that period has the death rate fallen so low. The nearest approach occurred in 1894-95, when it was 20.57. The improvement is due chiefly to a diminished mortality among the whites. The death rate for this race in 1896-97 was 17.03, indicating, therefore, an improvement during the year of 1.50 per thousand. The diminution in the death rate of the colored race during the same period was but 1.08. As compared with the best prior records, those for 1894-95, the mortality of the whites shows an improvement of 1.44, while that of the colored race was but .67.

TABLE A.—Population, deaths, and death rates for the twenty-three years ended June 30, 1898, based upon results of police censuses.

Year.	Population.			Deaths.			Death rates.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
1875-76	106,741	59,859	157,600	2,086	2,074	4,160	19.54	40.78	26.40
1876-77	109,505	52,870	162,375	2,187	2,021	4,208	19.97	38.22	25.91
1877-78	112,340	54,960	167,300	2,166	2,065	4,231	19.28	37.57	25.29
1878-79	115,247	57,130	172,377	2,196	2,113	4,309	19.05	36.90	24.69
1879-80	118,236	59,402	177,638	2,085	2,121	4,206	17.63	35.71	23.68
1880-81	121,300	61,700	183,000	2,205	1,931	4,136	18.18	31.27	22.50
1881-82	124,441	64,212	188,653	2,353	2,218	4,571	18.91	34.54	24.23
1882-83	126,300	65,680	191,980	2,270	2,016	4,286	17.97	30.69	22.33
1883-84	131,820	64,670	196,490	2,576	2,238	4,814	19.54	34.61	24.50
1884-85	134,770	66,340	201,110	2,610	2,388	4,998	19.37	35.97	24.85
1885-86	137,700	68,050	205,840	2,442	2,232	4,674	17.72	32.80	22.71
1886-87	140,880	69,800	210,680	2,484	2,181	4,665	17.63	31.25	22.14
1887-88	144,030	71,600	215,630	2,778	2,262	5,040	19.29	31.59	23.37
1888-89	148,870	73,960	222,830	2,713	2,439	5,152	18.22	32.93	23.12
1889-90	155,550	76,910	232,460	2,934	2,630	5,564	18.86	34.20	23.94
1890-91	162,540	79,980	242,520	3,106	2,614	5,720	19.11	32.68	23.59
1891-92	169,840	83,170	253,010	3,442	2,656	6,098	20.27	31.93	24.10
1892-93	175,550	85,250	260,800	3,677	2,775	6,452	20.95	32.55	24.74
1893-94	179,485	86,115	265,600	3,329	2,710	6,039	18.55	31.47	22.73
1894-95	183,516	86,998	270,514	3,114	2,451	5,565	16.97	28.18	20.57
1895-96	186,866	87,294	274,160	3,302	2,602	5,904	17.67	29.80	21.53
1896-97	188,787	88,176	276,963	3,216	2,521	5,737	17.03	28.59	20.71
1897-98	191,478	88,772	280,250	2,973	2,442	5,415	15.53	27.51	19.32
Totals and means	3,365,882	1,673,958	5,009,840	62,244	53,700	115,944	18.49	32.08	23.14

Distributing the decedents by sex, we find 2,775 males and 2,640 females, a decrease, when compared with the corresponding figures of the preceding year, of 209 and 113, respectively. An examination having reference to age gives the following results: 1,785, or 32.96 per cent of the entire number, were under 5 years old; and of these, 1,267 were under 1 year old, being 23.39 per cent of all decedents and 71 per cent of all under 5. The average age at death of those who have died was 31 years 9 months and 9 days; that of the whites being 38 years 5 months and 26 days, and that of the colored 25 years and 22 days. But, as has been indicated before, the value of these figures and the amount of interest attaching to them are very much diminished by the absence of reliable information as to the number of males and females in the community, and as to its distribution by ages.

As the absence of a census during the past year has prevented a detailed analysis of the mortality with reference to sex and age, so also it has rendered impossible a study of it with reference to locality. In the appendix will be found a statement of the number of deaths registered from each square in the city, and from each of the more important suburbs, and from this statement those interested can work out an approximate death rate for any particular locality, but the inaccuracies certain to appear in any general tabulation of such data upon the basis of the police census of 1897 are such as to render its preparation by this department unjustifiable, especially in view of the limited force at its command.

A distribution of deaths according to their causes shows that the general death rate is made up as follows:

From zymotic diseases	3.18
From constitutional diseases	4.12
From local diseases	9.40
From developmental diseases	1.81
From violence	.81
General death rate	19.32

Deaths by classes, arranged by sex and color, with percentages and annual death rates, for the years 1897-98 and 1896-97.

TABLE B.—YEAR ENDED JUNE 30, 1898.

Cause of death.	Deaths.						Percentages to total deaths.				Annual death rate.			
	White.		Colored.		White.	Colored.	Total.	White.		Colored.		White.	Colored.	Total.
	M.	F.	M.	F.				M.	F.	M.	F.			
Zymotic	244	212	206	230	456	436	892	15.60	15.07	17.04	18.65	2.38	4.91	3.18
Constitutional	293	289	278	294	582	572	1,154	18.70	20.54	23	23.84	3.04	6.44	4.12
Local	783	692	592	567	1,475	1,159	2,634	50	49.18	48.97	46	7.71	13.05	9.40
Developmental	125	182	80	120	307	200	507	7.99	12.93	6.61	9.73	1.60	2.25	1.81
Violence	121	32	53	22	153	75	228	7.71	2.28	4.38	1.78	.79	.84	.81
Total	1,566	1,407	1,209	1,233	2,973	2,442	5,415	100	100	100	100	15.53	27.51	19.32

TABLE C.—YEAR ENDED JUNE 30, 1897.

Cause of death.	Deaths.						Percentages to total deaths.				Annual death rate.			
	White.		Colored.		White.	Colored.	Total.	White.		Colored.		White.	Colored.	Total.
	M.	F.	M.	F.				M.	F.	M.	F.			
Zymotic.....	299	278	197	253	577	450	1,027	16.86	19.27	16.27	19.31	3.05	5.13	3.71
Constitutional.....	332	300	287	328	632	615	1,247	18.72	20.79	23.70	25.04	3.35	6.36	4.50
Local.....	881	631	565	566	1,512	1,131	2,643	49.69	43.73	46.66	43.21	8	12.83	9.55
Developmental.....	142	208	106	137	350	243	593	8.01	14.40	8.75	10.46	1.85	2.75	2.15
Violence.....	119	26	56	26	145	82	227	6.71	1.81	4.62	1.98	.76	.93	.82
Total.....	1,773	1,443	1,211	1,310	3,216	2,521	5,737	100	100	100	100	17.01	28.60	20.73

Zymotic diseases.—The entire mortality from zymotic diseases was 892, being 135 less than that of the preceding year and 355 less than in 1895-96. Among the whites the death rate was 2.38, representing 456 deaths; among the colored it was 4.91, representing 436 deaths. There were 487 deaths in this class among children under 5 years old.

The diseases chiefly responsible for this mortality were diarrheal diseases, diphtheria, typhoid fever, whooping cough, and grippe. From diarrheal diseases there were 319 deaths, giving a death rate of 1.14 per 1,000; from diphtheria, 130 deaths, a death rate of 0.46; from typhoid fever, 130 deaths, a death rate of 0.46; from typho-malarial fever, so-called, 5 deaths, a death rate of 0.02; from malarial fevers, 38 deaths, a death rate of 0.13; from whooping cough, 84 deaths, a death rate of 0.30; and from grippe, 40 deaths, a death rate of 0.14. There was a decrease of 39, as compared with last year, in the mortality from diarrheal diseases, of 17 from typhoid fever, of 1 from typho-malarial (?) fever, of 13 from malarial fevers, and of 78 from grippe; but the number of deaths from diphtheria shows an increase of 20, from whooping cough an increase of 19, from scarlet fever an increase of 12, and from measles an increase of 7.

The most gratifying feature of the mortality returns for this class of diseases is the decrease in the number of deaths from typhoid fever, malarial fevers, and diarrheal diseases, as shown in the following table:

	1895-96.	1896-97.	1897-98.
Typhoid fever, including typho-malarial fever	240	153	135
Malarial fevers	72	51	38
Diarrheal diseases	468	358	319
Total	780	562	492
Death rate	2.78	2.00	1.75

As is the case in most variations in mortality, it is improbable that this improvement has been due entirely to any single cause; a statement that is borne out by the fact that a diminishing death rate seems to be the rule at present in most of our cities, while the sanitary improvements which are going on in each are as varied as are their needs. But, if we may judge from the experience of other places, the most potent factors in the present instance are the abolition of a large number of box privies, the closing of numerous shallow wells, an improved milk supply, and an improvement in the drainage and water supply of numerous dwellings which had been accomplished by the introduction of sewer and water service, in connection with the abolition of privies.

Constitutional diseases.—In this class, embracing diathetic and tubercular diseases, there were registered 1,154 deaths. Among the whites the death rate was 3.04, the number of deaths being 582; among the colored portion of the community it was 6.44, the deaths numbering 572.

Most conspicuous among the fatal diathetic diseases were those popularly classed as cancers. One hundred and sixty deaths were attributed to this cause, a ratio of deaths to the population of 0.57 to the 1,000. So far as is shown by the returns received the primary seat of the disease was, in 39 cases, the stomach; in 36 cases, the uterus; in 24 cases, the breasts, and in 15 cases, the liver. The death rate for the whites was 0.61 per 1,000; that for the colored was 0.47. Of all who died 68 per cent were females, and the largest mortality occurred among persons between 50 and 70 years of age.

The death rate from tubercular diseases was 3.42, that from pulmonary tuberculosis alone being 2.38. The number of deaths registered against this entire class was 959, of which 667 were due to phthisis pulmonalis. This disease has been, as usual, much more prevalent among the colored people than among the whites. The deaths registered against the former numbered 358, or 4.03 per 1,000, while for the latter but 309 were recorded, a death rate of but 1.61. The mortality for each race, however, shows improvement over that for 1896-97, when the death rate for the colored people was 4.67, and that for the whites was 1.94.

Local diseases.—The diseases included in this class are essentially local; for instance, such diseases as affect the nervous system, or those which are limited in their specific morbid action to the circulatory organs. The number of deaths registered in the entire class was 2,634; among the whites 1,475, and among the colored 1,159.

Diseases of the nervous system caused 749 deaths, being 13.83 per cent of the total mortality, and equaling a death rate of 2.67. Distributing this mortality with reference to particular diseases, we find 247 deaths (death rate, 0.88) due to cerebral hemorrhage, 116 deaths (death rate, 0.41) due to infantile convulsions, and 103 deaths (death rate, 0.36) due to the various forms of meningitis. Of the deaths in the class last named, 25 were reported as being due to the cerebro-spinal variety of the disease. Ninety-seven deaths (death rate, 0.35) were charged to insanity and epilepsy, an increase of 15 over the corresponding figures for the preceding year. But the number of deaths from sun-stroke fell from 43 to 7 during the corresponding period.

In 446 cases the cause of death was certified as disease of the circulatory organs; this amounts to 8.23 per cent of the entire number of deaths, and gives a death rate of 1.59. Valvular heart disease caused 307 deaths, and angina pectoris 24, the corresponding death rates being 1.09 and 0.09.

Excluding pulmonary tuberculosis, the number of deaths reported as due to disease of the organs of respiration was 668, amounting to 12.34 per cent of the total mortality, and indicating a death rate of 2.38. Pneumonia was responsible for 466 fatal cases (death rate, 1.66), bronchitis for 97 (death rate, 0.35), and congestion of the lungs for 44 (death rate, 0.16). The death rate from this entire class of diseases was among the whites 1.67, and among the colored 3.91.

Four hundred and twenty-nine deaths were attributed to diseases of the digestive organs; that is, 7.92 per cent of the total mortality, and a death rate of 1.53. In 308 of these cases the seat of disease was the intestinal tract proper, while in 62 it was located in the liver. There were 18 fatal cases of appendicitis (death rate, 0.07). Thirteen deaths were due to strangulated hernias, and 26 to intestinal obstruction.

Among those who suffered from diseases of the urinary organs, 278 died (death rate, 0.99), representing 5.13 per cent of all deaths. Two hundred and thirty persons succumbed to nephritis (acute and chronic) and Bright's disease. The only deaths entered during the year in the class made up of diseases of the generative organs occurred among women; and of all deaths so recorded, 34 (death rate 0.12), uterine fibroids were responsible for 11, and salpingitis for 16.

In the class comprising diseases of the osseous and locomotory systems there were 12 deaths, and among diseases of the integumentary system 18.

Developmental diseases.—The deaths charged to developmental diseases numbered 507 (death rate, 1.81), amounting to 9.36 per cent of the total mortality. Of the decedents, 233 were infants, 66 were women, and 198 were aged persons. Of the infants, 185 were premature. Nine of those whose deaths were attributed to conditions due to advanced age were reported as being more than 100 years old.

Violence.—There were 228 deaths due to violence (death rate, 0.80), of which 160 were from accidents and negligence (death rate, 0.57), 18 from homicides (death rate, 0.07), and 50 from suicides (death rate, 0.18). By accident, 35 deaths were due to drowning, 26 to falls, 15 to burns, and 17 to injuries received from railways. In the class last mentioned 12 deaths were charged to steam railways and 5 to street cars. The fatal injuries in cases charged to homicide were as follows: Fractures of the skull, 9 cases; gunshot wounds, 5 cases; stab wounds, 2 cases. The victims of these homicides were in 8 cases white and in 10 cases colored, the death rates for the two races being therefore 0.34 and 0.42, respectively. Twelve were males and 6 females. Of the victims of suicide, 44 were white (death rate, 0.23) and 6 colored (death rate, 0.07). Fifteen took their lives by gunshot, 10 by hanging, and 11 by poisoning. Forty were males and 10 females; 24 were married, 21 single, and 5 widowers.

The relative prevalence of violent deaths among the two races of which the community is chiefly composed is shown in the following table:

Deaths due to violence.

	Whites.		Colored.		Total.	
	Deaths.	Death rates.	Deaths.	Death rates.	Deaths.	Death rates.
Accidental.....	101	0.52	59	0.87	160	0.57
Homicidal (not accidental).....	8	.04	10	.11	18	.07
Suicidal.....	44	.22	6	.06	50	.18
Total.....	153	.78	75	.84	228	.82

BIRTH RETURNS.

There were 4,709 births reported during the year; 2,737 among whites and 1,972 among colored. Of the children born, 2,444 were males and 2,265 females. Six hundred and fourteen were recorded as illegitimate; 96 white and 518 colored. Twins were born in 54 cases; 32 whites and 22 colored. Of the entire number of reports received, 2,558 came from physicians and 2,150 from midwives. The returns of births are too incomplete to justify any conclusions as to the prevailing birthrate.

RETURNS OF STILLBIRTHS.

The entire number of stillbirths reported was 503; of these 197 were white, and 306 colored; 309 legitimate and 194 illegitimate; reported by physicians 374, and by the coroner 129. Of stillbirths reported by the coroner, the parentage and place of birth were unknown in 118 cases. This number represents approximately the number of such bodies which were abandoned on the streets during the year. Out of the entire number of stillbirths reported, 503, the cause was reported as unknown in 330 cases.

MARRIAGES.

Returns of marriages were received to the number of 1,598, of which 1,028 were from whites and 570 were from colored. In 1,437 instances the marriages were for the first time; in 156 for the second time of at least one of the parties; and in 5 for the third time of either bride or groom. The number of marriages from which no returns were received, as determined by the difference between the number of licenses issued by the court and the reports received at the health department, was 1,049, or approximately 40 per cent of the entire number. The only remedy for such neglect was pointed out in the last report of this department and depends on Congressional action.

RECORDS AND TRANSCRIPTS.

The records of the health department of births, deaths, and marriages were augmented during the past year by 13,153 entries. They now contain returns from somewhat more than 121,000 deaths which have occurred in this District, and 5,100 which have taken place in other jurisdictions, record being made in the latter class because of the interment of the deceased here. The record of births includes more than 96,000 entries, and that for marriages contains somewhat over 27,000. These records can not be replaced if destroyed, and should therefore be deposited in fire-proof vaults for safe-keeping. They are of constant use and great value, as is shown by the fact that 488 transcripts from them have been issued during the past year.

OFFICIAL REGISTERS.

Under the act to regulate the practice of medicine now in force in this District, 71 physicians have been registered during the past year. Of this number 36 have been licensed by the board of medical supervisors by reason of having been registered at the health office at the time of the passage of the present law and 35 held licenses secured by examination. One surgeon in the United States Army and one in the United States Navy were registered under the provisions of the eighth section of the regulations, to secure a full and correct record of vital

statistics, promulgated by the late board of health August 1, 1874, and subsequently legalized by Congress.

The first licenses to practice midwifery in the District of Columbia, issued by the board of medical supervisors under the act of June 3, 1896, were granted during the past year. All of such licenses were based upon registration at the health office on that date. Ninety such licentiates have been registered at the health department. Of this number, 67 are colored, of whom only 9 can write. The percentage of illiteracy among the 23 white midwives is not so great, as out of the 23 registered 15 were able at least to sign their own names. Under the law now in force it will not be possible for anyone who had not acquired the right to practice midwifery under the old ordinance to engage in such practice until after having proven her ability to the satisfaction of the board of medical supervisors, and those who can not write can not be examined.

Thirty-three certificates issued by the board of dental examiners were presented for record.

The register of undertakers shows an increase of but 3. Attention is again invited to the need of a legal standard of proficiency for the determination of the right of applicants to be classed officially as undertakers and to register as such.

PRIVATE HOSPITALS.

The status of the private hospitals in this District has not been altered during the past year. The law governing such institutions should be amended, as has been pointed out in previous reports of this department.

CEMETERIES.

The location and management of cemeteries in the District of Columbia has been brought under proper legal control by the passage of an act for the regulation of cemeteries and the disposal of dead bodies in accordance with previous recommendations of this office. This act contains, too, certain provisions in reference to the establishment of crematories for human remains, which were urgently needed.

The number and location of cemeteries and crematories remains the same as at the close of the last report. Attention is again invited to the necessity for the construction of a public crematory, to dispose of the bodies of the indigent poor, such as are now buried in potter's field.

ANATOMICAL MATERIAL.

The number of bodies distributed to the various medical colleges under the provisions of the act of February 26, 1895, was 51; an increase of 4 since last year. The amount of material so furnished has never been sufficient for its purpose, and the decision of the attorney for the District, December 16, 1897, that dental colleges are "medical" colleges, has increased the lawful demand for such material without increasing the supply. As it is to the interest of every community to promote the study of scientific medicine, the law now in force should be amended so as to furnish all material needed for the study of anatomy if it can be done without injury to the public. The experience of other places, and the experience of this District with reference to the present law, seems to demonstrate that this might easily be accomplished.

A conscientious effort has been made to distribute such material as has been offered "among the several colleges in proportion to the number of students in each," as required by law. It has been practically impossible, however, to do so. In the first place, it is impossible to determine beforehand how many bodies will be supplied. This would under any circumstances interfere with an accurate distribution; but when this difficulty is further aggravated by the fact that some of the colleges waive their right to receive material during the summer vacation, not being prepared to use or preserve it during that time, and that some discontinue dissection earlier than others, it may readily be conceived that a mathematically correct apportionment is impossible. The following table shows the sources from which material has been received during the past year and the number of bodies delivered to each college:

TABLE D.—Distribution of cadavers under anatomical act during year ended June 30, 1898.

			Number of students.		Per- cent- age.	1897.											
						July.		Aug.		Sept.		Oct.		Nov.		Dec.	
			Medicinal.	Dental.		Good.	Post.	Good.	Post.	Good.	Post.	Good.	Post.	Good.	Post.	Good.	Post.
From—																	
Freedmen's						1		1		3		2		5		1	
Washington Asylum						1				2		3		4		3	
Providence															1		
Columbia																	
Garfield																	
Morgue																	
Total						2		1		5		5		9	1	4	
To—																	
Georgetown			88		14	2		1		3		1		2			
Columbia			210	69	45					1		1		2		1	
Howard			110	23	22							2		4		1	
National			38	54	15					1				1	1	1	
Army Medical School			11		2							1					
Washington Dental School			15		2											1	
Total			472	146	100	2		1		5		5		9	1	4	

1898.															Total.		
Jan.		Feb.		Mar.		April.			May.		June.						
Good.	Post.	Good.	Post.	Good.	Post.	Good.	Post.	Special.	Good.	Post.	Good.	Post.	Good.	Post.	Special.		
From —																	
		3		2		1								18		1	
3		1		2		6		2						27			
								1						1		1	
1						2								3			
4						8		1		2				48		2	
To—																	
				1		1		2						12		1	
2		2		3		5		1		2				21			
2		1												8			
		1				1								5		1	
														1		1	
4		4		4		1		8		1		2		48		2	

MEDICAL RELIEF OF THE POOR.

As promised in the preceeding report of this department, improved methods have been adopted in keeping the record of the work done in connection with the medical relief of the poor. As, however, they could not be adopted until January 1, 1898, the figures derived from such record refer only to the six months subsequent to that date. During that period 4,607 persons received medical relief at the hands of the physicians to the poor; of this number 946 were white and 3,661 colored. These figures represent actual persons, there being no possibility of duplication unless patients have given different names at different times, a source of error that practically can be disregarded. To express the same data in a different way, during the six months ending June 30, 1898, out of every 1,000 persons residing in this District 16.44 received medical treatment through the physicians to the poor at the expense of the public; out of every 1,000 whites 4.94, and out of every 1,000 colored 41.22. These patients represented 2,998 families, of which 769 were white and 2,229 colored. It is probable that these figures are smaller than those for corresponding periods in previous years, as the actual number of visits made during the past year, 21,159, and the number of office consultations, 1,983, are considerably below similar statistics previously compiled.

The average cost of treating each patient during the past six months has been approximately, for services of physician to the poor, 61 cents; for medicines and sundries, 17 cents; total, 78 cents. The approximate average cost per visit (including office consultations) during the entire year has been, for service of physician, 34 cents; for medicines and sundries, 10 cents; total, 44 cents. The amount received by each physician to the poor for each visit or office consultation was therefore, on an average, 34 cents.

Recommendations made by this department on June 17, 1897, in reply to a letter from the Congressional Joint Select Committee to Investigate the Charities and Reformatory Institutions in the District of Columbia, having received the indorsement of that committee, have been carried into effect since June 1. Under the system adopted, all calls for the service of physicians to the poor are left at police station houses, in books provided for that purpose. If the call is in the nature of an emergency, the person bringing the call to the station house is directed to the office of the physician; otherwise the physician receives the call upon visiting the station, which he does once or twice a day. By this method patients are not confused by changes in boundaries of districts assigned to physicians to the poor, nor by changes of the physicians to the poor themselves. They always are assured that the calls left by them are properly recorded and are delivered to the proper physician. In case of complaints of the failure of any physician to respond promptly to a call, the time of the receipt of such call at the station house is a matter of record, as well as the time of its delivery to the physician, so that such complaints are not, as heretofore, impossible of either substantiation or disproof, but can be very readily verified or otherwise. Physicians to the poor are themselves relieved of the presence of untidy, and in many cases unclean, official patients about their offices. The presence of such patients there has always been a serious drawback to physicians to the poor, interfering, as it did, with private practice. The change is a relief to them, and will justify physicians in accepting such appointments who could not have done so under other conditions.

While the new system has not been in operation long enough to speak positively as to its merits, so far as a conclusion can be drawn from the past month it has been very satisfactory to all concerned.

The usual statement of the work done by the physicians to the poor during each month appears below.

TABLE E.—Statement of work done by physicians to the poor during the year ended June 30, 1898.

Month.	Patients treated.	White.	Colored.	Visits made.	Office consultations.	Cost of medicine furnished.
1897.						
July	1,180	450	730	1,975	231	\$145.75
August	885	387	498	1,474	166	152.25
September	509	237	272	894	99	151.35
October	1,287	554	733	2,166	266	121.85
November	924	372	552	1,624	197	118.75
December	1,166	445	721	2,079	176	137.60
1898.						
January	1,217	436	781	2,054	197	139.70
February	1,248	421	827	2,047	170	174.75
March	1,118	408	740	1,953	158	198.15
April	1,206	421	783	2,071	151	112.95
May	831	285	546	1,468	107	87.05
June	807	260	547	1,354	65	86.10
	12,408	4,676	7,730	21,159	1,983	1,626.25
						a 247.75
						b 167.60
						c 288.00
Totals						2,329.60

a Serum.

b Tablet triturations.

c Homeopathic drugs.

TABLE F.—The sick poor for ten years.

Year.	Patients treated.	White.	Colored.	Visits made.	Office consultations.	Cost of medicine furnished.
1888-89	14,575	4,842	9,733	19,919	4,239	\$3,059.65
1889-90	16,576	5,619	10,957	22,547	4,410	3,352.25
1890-91	13,238	4,641	8,597	18,728	3,177	2,526.25
1891-92	12,637	4,338	8,299	16,746	2,997	2,503.08
1892-93	12,430	4,079	8,351	19,037	2,468	2,753.55
1893-94	16,109	6,112	9,997	26,210	3,356	3,636.36
1894-95	15,150	6,186	8,964	23,625	2,973	3,347.10
1895-96	13,606	6,893	8,713	26,556	2,472	2,806.65
1896-97	13,905	5,748	8,157	25,039	3,013	2,355.42
1897-98	12,408	4,676	7,730	21,159	1,983	2,329.60

CONTAGIOUS DISEASES.

SCARLET FEVER AND DIPHTHERIA SERVICE.

Scarlet fever.—There was a marked increase in the prevalence of scarlet fever during the past year. The number of cases reported was 437, a morbidity rate of 1.57 per 1,000; among whites, 403, or 2.13 per 1,000; and among colored, 34, or 0.38 per 1,000. The corresponding ratios for 1896-97 were, for the entire population, 0.57—for whites 0.74 and for colored 0.14. The cases which have been reported have generally been mild, but the percentage of death has been somewhat higher than during the preceding year, although lower than in years previous. Of all reported cases 2.9 per cent died—of the white cases 2.7 per cent and of the colored 5.9 per cent.

The following table shows the morbidity rates and percentage of deaths for each of the past five years:

TABLE G.—*Reported cases of scarlet fever for five years ended June 30, 1898.*

Year.	Ratio per 1,000 of population.			Percentage of fatal cases.		
	White.	Colored.	Total.	White.	Colored.	Total.
1893-94.....	1.22	0.17	0.88	6.25	.....	5.85
1894-95.....	2.03	.51	1.53	3.66	4.44	3.74
1895-96.....	1.49	.28	1.11	3.56	12	4.24
1896-97.....	.78	.14	.57	.67	.....	.62
1897-98.....	2.13	.38	1.57	2.72	5.88	2.97

Diphtheria.—Diphtheria, too, has been unusually prevalent. The entire number of cases reported was 700, while those reported in 1896-97 amounted to but 620, and during the years immediately preceding they did not reach even that figure. Among the whites 494 cases were reported, and of these 67 died, showing a morbidity rate of 2.52 per 1,000, and a percentage of fatal cases amounting to 13.5; among the colored there were 206 cases, with 64 deaths, the corresponding ratios being 2.33 per 1,000, and 31.1 per cent. The morbidity rate for the entire population was 2.52 per 1,000, and of all cases 18.7 per cent died. The increased prevalence of the disease and the increased percentage of fatal cases has been entirely among the colored people. A tabular statement is appended to show the relative prevalence of diphtheria during each of the past five years.

TABLE H.—*Reported cases of diphtheria for five years ended June 30, 1898.*

Year.	Ratio per 1,000 of population.			Percentage of fatal cases.		
	White.	Colored.	Total.	White.	Colored.	Total.
1893-94.....	1.40	2	1.60	43.41	34.48	39.81
1894-95.....	1.58	1.33	1.50	30.84	28.20	30.09
1895-96.....	1.52	.45	1.19	23.07	25	23.31
1896-97.....	2.61	1.42	2.23	15.79	25.39	17.74
1897-98.....	2.61	2.33	2.52	13.56	31.06	18.71

In connection with the scarlet fever and diphtheria service, 2,299 cultures were received from the throats of those who were suspected of being infected with diphtheria. Of these 1,017 were primary cultures—that is, cultures from cases where diagnoses had not been made. Only 436 of such cultures—that is, 43 per cent—showed the presence of diphtheria bacilli, which indicates, it is believed, that physicians are acquiring more confidence in the bacteriological method of diagnosis and sending cultures from suspicious cases more frequently, and which disproves the assertion occasionally made that the health office “finds diphtheria bacilli in everything.”

The disinfection of such articles as could be moved to the municipal disinfecting station and disinfected by steam has been done, as heretofore, under the direction of the health department, but the disinfection of the premises themselves has necessarily been intrusted to the householders because of the absence of any appropriation to enable the health office to do the work. The disadvantages of such a system have been pointed out in previous reports. It is hoped that some provision can be made in the near future for the establishment of a general disinfecting service.

Decisions of the attorney have, from time to time, shorn the health department of almost all of the authority which it was formerly supposed to have under the act to prevent the spread of scarlet fever and diphtheria. Its work, therefore, is now almost entirely educational in character and not conducive to the best results. Unless amendments to the existing law are secured, or a new law passed, no action can be taken looking toward the limitation of the spread of these diseases.

A more detailed statement of the work done in connection with this service will be found in the report of the medical sanitary inspector, which appears in the appendix.

The delay which necessarily took place in constructing buildings for the treatment of minor contagious diseases, as provided for by the act of March 3, 1897, though it was at the time a matter of regret and disappointment, has resulted to the best interest of the community. Instead of the amount then appropriated, \$30,000 for two wards, provision has been made by the sundry civil act of July 1, 1898, of \$32,000 for the construction of such buildings on the grounds of Providence Hospital, and \$33,000 for those to be connected with Garfield Memorial Hospital. This seems to settle satisfactorily a matter which has been the source of much embarrassment to the Commissioners, and a hindrance to the work of the health department.

The generous action of Providence Hospital in consenting to the use of a part of its grounds for one of the buildings provided for in the appropriation first mentioned deserves recognition. So, also, does the fact that this institution has voluntarily received and treated during the year 4 cases of scarlet fever and 35 cases of diphtheria, without any prospect of compensation therefor, and for which substantially no other hospital accommodations could have been secured. In no instance has there been any spread of disease from any of these cases after they were admitted to the hospital, demonstrating the practical absence of danger from institutions for the treatment of such maladies.

MAJOR CONTAGIOUS DISEASES.

The only one of the graver types of contagious diseases which has existed in this District during the past year has been smallpox, of which there were 10 cases. One case was reported on February 7 at the United States Naval Hospital. The origin of the disease could not be discovered. The patient was promptly removed to the smallpox hospital, from which he was discharged cured on the 12th of March. The second outbreak occurred at Freedmen's Hospital, the first case appearing April 6 in the person of a colored man who was trying to work his way north from Knoxville, where smallpox had existed for some time prior to his departure. The patient had been in the hospital for a week before the true nature of his sickness was even suspected, and when examined by this department was found to have a well-developed case of the disease. By the immediate removal of the patient to the smallpox hospital, the quarantining of Freedmen's Hospital (first the entire institution and later only the infected ward), the vaccination and revaccination of all inmates, and the disinfection of all infected articles, the disease was limited to the hospital in which it developed, and, in fact, to the very ward. Had that hospital been provided with a place in which suspicious cases might have been subsequently isolated as they appeared, or had the District been provided with such a place, the number of cases which developed might have been better limited; as it

was, 8 more cases developed before the disease was checked. All of these patients were removed to the smallpox hospital and recovered. The last case was discharged May 27.

The need for a building separate from the smallpox hospital, in which cases suspected of being smallpox can be held pending diagnosis, which was so urgently demonstrated during the last outbreak, was presented to Congress several years ago, but the proposition to erect such a building was so unfavorably received that it has not been again submitted. It may, possibly, be received better at some future time. The recently erected hospital for smallpox has proven of great value, but attention is again invited to the fact that except when it is occupied by patients it is without anyone to care for the extensive steam-heating plant and the steam disinfecting machinery connected with it. The absence of an engineer will some day be the cause of dangerous delay in removing a patient to the hospital. It has already proven expensive economy, by reason of injury to the water and sewer services and to the heating apparatus by freezing. The recommendation for an appropriation for the services of an engineer, which has been made annually for several years past, is respectfully renewed.

CONTAGIOUS DISEASES OF ANIMALS.

During the year five cases of alleged hydrophobia in dogs were reported to this department. One of the animals was so badly mutilated that the case could not be further investigated. The remaining four were sent to the Bureau of Animal Industry, where, through the courtesy of Dr. D. E. Salmon, chief of that Bureau, tests were made to determine whether the cases had been genuine rabies or not. In two instances these tests showed that the cases had been true hydrophobia, and in the other two the results were negative.

Two cases of glanders have been reported during the year.

PERMITS TO ROPE OFF STREETS AND ALLEYS.

Under the order of the Commissioners of August 23, 1883, there have been issued 44 permits to rope off streets and alleys on account of serious illness. This shows a considerable improvement over the record of the preceding year, during which 81 such permits were issued. The average duration of each permit has been, approximately, the same—7.8 days during 1897-98, as against 7.7 days during the year preceding. The number of physicians who certified for the issue of such permits has fallen from 66 to 40.

The issue of such permits has been, as heretofore, based upon certificates from the attending physicians. Those who are inconvenienced by such obstruction of travel have and can have no opportunity to be heard prior to the issue of the permit, as the demand is usually represented to be extremely urgent when the application is made. After the permit has been issued there appears to be a general reluctance to enter formal complaint, although there may be reason to believe that the privilege of thus incommoding the public is being abused. The issue of such permits should either be regulated by law or discontinued altogether.

TABLE I.—Permits issued to rope off streets and alleys to cause temporary suspension of travel in consequence of serious illness, etc., during six years ended June 30, 1898.

Fiscal year.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June.	Total.	Total permit days.	Average time of each permit.	Total number of physicians certifying.
1892-93.....	10	14	8	6	6	4	1	6	3	4	9	11	82	427	5.2	56
1893-94.....	11	12	8	11	4	4	5	4	6	4	5	12	86	860	10	72
1894-95.....	16	12	9	7	7	2	5	---	8	3	13	9	91	670	7.3	71
1895-96.....	9	13	15	3	4	2	3	1	---	7	7	12	77	428	5.5	63
1896-97.....	19	15	9	5	2	5	4	1	5	6	10	81	624	7.7	86	
1897-98.....	7	7	8	2	0	5	1	1	1	3	5	4	44	344	7.8	40

CHEMICAL LABORATORY.

There have been made in the chemical laboratory during the past year 607 analyses, as follows: Of milk and cream, 357; of water, 141; of miscellaneous foods, 42; of drugs, 18; of miscellaneous substances, 49, of which 16 were submitted by the police department and coroner's office for analysis to assist in the detection of crime.

Of the 350 samples of milk examined, 28 were submitted to the department by citizens, 88 were collected about the city, 115 were collected at the Pennsylvania Depot, 117 at the Baltimore and Ohio Depot, and 12 at the depot of the Washington and Alexandria Electric Railway. The general practice of the health department has been to refuse to analyze samples submitted by private citizens, but instead of doing so to secure the name of the milkman from whom the proffered sample was alleged to have been purchased, and to obtain a sample directly from him, without notice, through an agent of the department. This practice has been adopted in justice to the dairymen; for dishonest servants occasionally tamper with milk after it has been delivered, and interested parties have been known to submit impure samples for analysis when there was reason to suspect that they were themselves responsible for the adulteration, and desired to secure an unfavorable report for purposes of their own, e. g., to secure a reduction in the contract price. For similar reasons it does not appear necessary to make any statement as to the results of analyses which have been made from time to time, for special reasons, for private citizens. No conclusion of any value will be drawn from such data. The general composition of the samples collected by the department was good. Those collected at the Pennsylvania Depot showed an average of 4.37 per cent fat; those from the Baltimore and Ohio Depot 4.27 per cent; those from the Washington and Alexandria Depot 3.7 per cent; and those collected about the city 4.23 per cent.

Of the 141 samples of water which were examined, 51 were from private wells, 40 were from public wells, and 50 were samples of Potomac River water collected and analyzed weekly at the request of the United States Marine Hospital Service. Twenty per cent of the public wells and 47 per cent of the private wells represented in the above analyses were condemned.

Among the articles of food analyzed were lard, sausage, flour, mustard, vinegar, molasses, coffee, cloves, pepper, and others. The analysis of such substances was made in direct connection with the regular inspection of foods, and will, therefore, be considered more at length in connection with the inspection service.

The analyses for the coroner and the major and superintendent of police included human stomachs and their contents, coffee, milk, cider, beer, medicines (including knock-out drops), etc.

A more detailed statement relative to the work of the chemical laboratory than it is possible to include in the body of this report can be found in the report of the sanitary and food inspector, otherwise designated as the chemist, which appears in the appendix.

INSPECTION SERVICE.

Nuisances.—A statement of the number and character of the nuisances which have been abated at the instance of this department during the past year appears below. The total number was 14,689, the most of which consisted of nuisances connected with box privies, 5,284; with the accumulation of refuse in yards, 3,812; with defective sewer connections, 1,223; with defective surface drainage, 970; and with improper disposal of garbage, 356. These figures can not be satisfactorily compared with those of former years on account of certain changes which have been made in the method of enumeration, and which tend to materially reduce the number of nuisances which appear of record.

TABLE K.—Consolidated report of nuisances for the year ended June 30, 1898.

Nature of nuisance.	1897.						1898.						Total.
	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June.	
Alleys, filthy.....	12	18	7	9	9	18	9	11	25	12	17	9	156
Alleys, need repair.....	1	1	.....	1	.....	.....	.....	.....	.....	1	1	.....	5
Areas.....	2	2	2	1	.....	1	1	1	2	7	.....	.....	20
Ashes.....	6	18	20	13	7	17	22	25	65	45	22	21	281
Cellars.....	8	18	5	15	1	29	3	6	9	11	4	8	117
Drainage, surface.....	80	54	107	182	59	29	27	37	223	94	51	.....	970
Excavations.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	3
Factories, soap.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Garbage.....	5	4	10	5	28	50	44	23	27	64	28	68	356
Gutters.....	1	1	1	.....	1	.....	.....	.....	.....	.....	.....	.....	6
Hogpens.....	2	.....	.....	.....	.....	.....	.....	.....	.....	4	2	1	9
Houses, filthy.....	14	7	3	1	3	6	.....	1	2	2	1	6	45
Houses unfit for habitation.....	.....	.....	.....	.....	4	1	1	5	2	.....	1	1	15
Houses, slaughter.....	.....	2	.....	.....	.....	1	.....	.....	.....	2	.....	.....	5
Houses, no privy.....	5	1	.....	2	4	1	3	1	.....	.....	4	5	28
Lots, filthy.....	18	6	8	2	11	23	21	10	19	56	13	16	202
Lots, stagnant water.....	8	17	3	8	1	4	1	10	20	9	8	9	98
Manure.....	21	12	11	13	21	36	21	10	34	19	21	39	258
Markets, public.....	3	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
Miscellaneous.....	66	111	93	70	95	124	52	62	71	66	67	82	959
Pumps.....	1	.....	7	.....	.....	1	.....	.....	.....	.....	.....	.....	5
Pipes, water.....	1	5	7	4	11	13	4	4	12	4	5	4	74
Ponds.....	.....	.....	3	1	.....	.....	.....	.....	.....	2	2	1	10
Privies, filthy.....	105	18	61	156	91	80	38	43	68	66	70	72	868
Privies, unlawful.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	.....	5
Privies, full.....	299	347	502	427	387	339	260	319	393	233	307	398	4,211
Privies, leaky boxes.....	12	21	26	19	18	16	14	13	19	15	13	14	200
Roofs, leaky.....	2	.....	3	9	7	4	14	6	3	.....	3	4	55
Sewers.....	48	38	48	39	66	54	49	28	64	58	68	106	666
Sewers, connection.....	19	35	31	44	23	11	10	9	23	90	72	40	406
Stables.....	15	16	13	24	26	6	2	4	17	5	23	29	180
Stables, cow.....	4	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	5
Streets, filthy.....	2	.....	2	.....	.....	2	.....	3	.....	.....	.....	1	10
Streets, need repair.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	2
Traps, sewer.....	5	9	11	2	3	.....	.....	1	1	4	4	9	50
Yards.....	153	258	255	357	310	311	248	252	415	464	407	382	3,812
Yards, cow.....	8	.....	1	.....	1	1	.....	.....	.....	.....	.....	.....	11
Vaults, privy.....	1	.....	1	2	2	.....	.....	.....	.....	.....	2	.....	3
Water-closets.....	21	30	39	47	45	85	56	35	62	62	43	82	557
Total.....	950	1,065	1,274	1,453	1,235	1,214	905	909	1,390	1,529	1,304	1,461	14,689

The health department is seriously hampered in its work in two ways: First, by the absence of any general law authorizing the abatement of nuisances on the property of nonresidents and the assessment of the cost against the property; and, second, by certain practices in vogue in the police court. In the absence of any law authorizing the abatement of nuisances, as suggested, notices requiring their abatement are left, when the owner can not be found, at the office of the agent, but an agent so notified has a good legal defense if he can show that his authority from his principal does not permit him to act; and if no agent can be found, the health department is in many cases powerless. The embarrassment arising from the action of the police court results from the continuance of cases by the court for the purpose of allowing time for the abatement of the nuisance for the maintenance of which prosecution has been instituted, and in event of such abatement, even after the commencement of the trial, and, possibly, weeks after the expiration of the time allowed by the health officer, the rendering by the court of a judgment of "not guilty." Such procedure not only tends to encourage the maintenance of nuisances, for which the health department is held responsible, but also results in the presentation to the court of many cases in which the defendant would probably have abated the nuisance in compliance with the notice originally served, were he not morally certain from the experience of his neighbors that the court would impose no penalty for his failure to do so.

Under the law requiring the connection of improved premises with the public sewer and water main whenever such facilities are available, 973 premises have been so connected during the past year. A large number of notices are outstanding, but there remains much work to be done before Washington can be said to be a well sewered city.

Attention is respectfully invited to the need for laws to authorize the condemnation of dwellings unfit for habitation by reason of their insanitary condition, and for the prevention of the smoke nuisance. The passage of the bills which have been introduced into Congress at the instance of the Commissioners, to supply these needs, should be urged.

Food inspection.—A tabular statement of the amount of food condemned by the food inspectors of this department may be found on page 21. The following tables do not include data relative to such articles of food as are commonly adulterated, and which adulteration is usually to be detected only by chemical analysis. The law relative to this latter class of food stuffs was very unsatisfactory until February 17, 1898, when a new statute was passed in which existing imperfections were corrected. A law to prevent the adulteration of candy was passed May 5, 1898. The amount of work which the health department can do under such laws will, however, remain very limited so long as but one man is provided for it, and the expense of analysis must be paid from the allotment for contingent expenses.

During the year 23 cases were prosecuted in court for the sale of adulterated food. Of these, 14 were for the sale of mustard, 3 for the sale of lard, and 6 for the sale of milk; convictions were secured in each case. In matters of this kind there is no reason to complain of police court methods, as is the case with respect to the abatement of nuisances. Dealers who ignorantly sell adulterated goods are criminally negligent, and those who willfully sell such articles take money from the pocket of the purchaser without making any return therefor as surely as does the ordinary pickpocket.

TABLE L.—Unwholesome food condemned during the year ended June 30, 1898.

Articles.	1897.					
	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Beef.....pounds..	6,245	2,920	2,331	2,272	955	638
Mutton.....do..	1,816	1,085	1,366	1,141	288	168
Veal.....do..	1,153	574	725	677	83	183
Pork.....do..	2,113	1,080	2,146	1,453	1,243	505
Bacon.....do..	1,088	214	210	212	72	143
Sausage.....do..	438	178	318	469	282	346
Venison.....do..						70
Chickens.....number..	80	24	27	32	27	207
Turkeys.....do..				18	14	107
Ducks.....do..				68	3	66
Geese.....do..						6
Birds.....do..			124	345	9	47
Rabbits.....do..				338	274	505
Squirrels.....do..				24	9	28
Apples.....bushels..	1	5	22	1	4	
Peaches.....do..	20	56½	14	5		
Quinces.....do..						
Pears.....do..	2	2	37	13	6½	
Plums.....do..	3	31	29½	2		
Bananas.....dozen..	4	3		3		3
Oranges.....do..	4					3
Lemons.....do..	9				5	
Grapes.....pounds..	20	350	1,565	3,260	785	40
Berries.....quarts..	3,420	246				
Cherries.....do..	72					
Cantaloupes.....number..	2,368	4,507	6,766	62		
Watermelons.....do..		556	780	27		
Pineapples.....do..	368		4			
Asparagus.....bunches..	23					
Beets.....do..	44				7	7
Carrots.....do..					6	
Celery.....do..		14	34	43	15	4
Radishes.....do..						600
Rhubarb.....do..						
Lettuce.....number..	47	115	146	102	22	13
Cabbage.....do..	719	475	812	460	120	45
Cynlins.....do..	1,526	1,300	387	103		
Eggplant.....do..		1,275	2,507	915		
Cauliflower.....do..				100		20
Pumpkins.....do..			10	10		3
Corn.....dozen..	88	1,112	713	184		
Cucumbers.....do..	236	26	62	35		2
Kale.....bushels..				9	14	2
Spinach.....do..						
Parsnips.....do..						
Potatoes.....do..		6				7
Pease.....do..	28					
Beans.....do..	14	14	21	7		2
Turnips.....do..				8		1
Tomatoes.....do..	23	49	96	168	19	
Onions.....do..					125	
Miscellaneous fruits and vegetables.....do..	222	133	92	119	86	59½
Eggs.....dozen..	60	415	60		6	
Butter.....pounds..						
Cheese.....do..						
Total.....	22,254	16,767½	21,404½	12,689	4,479½	3,830½

TABLE L.—Unwholesome food condemned during the year ended June 30, 1898—Cont'd.

Articles.	1898.						
	Jan.	Feb.	Mar.	Apr.	May.	June.	Total.
Beef.....pounds..	694	327	1,886	1,416	1,092	2,383	23,189
Mutton.....do..	274	158	386	440	487	760	8,369
Veal.....do..	94	78	254	149	180	272	4,422
Pork.....do..	369	648	1,526	886	925	1,070	13,964
Bacon.....do..	37	95	18	36	436	798	3,359
Sausage.....do..	179	123	513	176	79	97	3,198
Venison.....do..							70
Chickens.....number..	56	40	158	34	82	92	859
Turkeys.....do..	22	8	5	12			186
Ducks.....do..	31	12	9	15		15	219
Geese.....do..		5	23				34
Birds.....do..	90	198	10	16	6		845
Rabbits.....do..	518	67					1,702
Squirrels.....do..							61
Apples.....bushels..	2	2		1			38
Peaches.....do..							95½
Quinces.....do..							
Pears.....do..							60½
Plums.....do..							66
Bananas.....dozen..	7	6	2		3	13	44
Oranges.....do..	2	5	6	5		6	31
Lemons.....do..	3	4	3	724		3	757
Grapes.....pounds..							6,020
Berries.....quarts..			474	461	1,677	1,966	8,244
Cherries.....do..						1,179	1,251
Cantaloupes.....number..						273	13,976
Watermelons.....do..							1,363
Pineapples.....do..						7	379
Asparagus.....bunches..				65	432	186	706
Beets.....do..	13	11	109	70	287	42	590
Carrots.....do..	6					47	59
Celery.....do..	79	38	174	50	10		461
Radishes.....do..	300		400	8,360	1,236	200	11,096
Rhubarb.....do..			108	12	128	166	414
Lettuce.....number..	134	584	1,150	102	209	711	3,335
Cabbage.....do..	220	438	390	720	750	907	6,056
Cymlings.....do..			13		343	686	4,358
Eggplant.....do..	470	50	8			94	5,319
Cauliflower.....do..	11		7				138
Pumpkins.....do..		7					30
Corn.....dozen..							2,097
Cucumbers.....do..				18	244	718	1,341
Kale.....bushels..	2	26	58	29	8	8	156
Spinach.....do..				8		3	11
Parsnips.....do..							76
Potatoes.....do..	18	3	7	10	2	23	162
Pease.....do..					99	35	498
Beans.....do..	13				389	38	32
Turnips.....do..		12		5	6		372
Tomatoes.....do..	1	10		1		5	200
Onions.....do..	17		57	1			1,006½
Miscellaneous fruits and vegetables.....do..	35	20	5	48	82	105	911
Eggs.....dozen..	30	9		331			
Butter.....pounds..							
Cheese.....do..						360	360
Total.....	3,727	2,984	7,759	14,231	9,192	13,268½	132,586½

TABLE M.—Unwholesome food condemned for eleven years ended June 30, 1898.

Articles.	1888.	1889.	1890.	1891.	1892.	1893.
Beef.....pounds..	20,534½	20,990	28,504	13,169½	18,785	20,583½
Veal.....do.....	2,736	5,773	7,160	5,233	5,014	3,620
Mutton.....do.....	15,693	15,954	16,244	11,570	14,560	11,906½
Bacon, ham, and pork.....do.....	2,533	2,218½	4,536	4,850½	9,877	5,654½
Birds, rabbits, and squirrels.....number..	2,980	2,950	6,998	3,030	3,240	2,059
Poultry.....do.....	9,722	8,226	5,874	4,310	3,984	6,275
Eggs.....dozen.....	250	40	738½	.....	547	269
Cheese and butter.....pounds.....	10	.....	.....	.....	732½	.....
Potatoes and parsnips.....bushels.....	1,191½	463½	1,057½	81½	1,787½	.....
Beans, pease, and onions.....do.....	838½	1,328½	917½	236½	948	828
Cabbage and lettuce.....heads.....	43,169	36,662	43,507	29,529	18,904	30,435
Squashes and pumpkins.....number.....	5,584	4,449	6,912	5,479	4,722	8,544
Corn.....dozen.....	2,589½	1,506	2,394	1,633	1,341	980½
Cucumbers.....do.....	5,876	4,665	6,848½	5,656	2,596½	5,832½
Eggplants.....number.....	6,924	2,998	1,961	3,958	2,353	5,160
Tomatoes and turnips.....bushels.....	1,256½	1,191	1,012	1,110½	1,063½	354
Kale and spinach.....do.....	1,787½	412½	907½	294½	444	390½
Apples, peaches, pears, and plums.....do.....	917½	881	824½	286½	1,089½	191
Watermelons.....number.....	16,543	5,721	11,446	9,608	19,830	1,625
Cantaloupes.....do.....	22,712	13,501	11,739	8,815	15,528	6,449
Berries.....quarts.....	3,793	9,852	4,937	6,618	5,742	6,236
Oranges and lemons.....dozen.....	3,310½	1,594	520	521	371½	231
Bananas.....do.....	5,500	440	354	1,652	984	316
Grapes.....pounds.....	3,929	3,368	3,349	3,014	7,860	2,958
Miscellaneous fruits and vegetables.....bushels.....	1,993½	3,166	2,479½	1,986½	691½	671
Miscellaneous vegetables.....bunches.....	11,446	11,454½	13,043	10,098	14,213	15,308

Articles.	1894.	1895.	1896.	1897.	1898.	Total.
Beef.....pounds..	15,963½	20,092	33,854	34,336	23,189	250,001½
Veal.....do.....	2,372	3,123	5,338	16,837	4,442	62,228
Mutton.....do.....	6,084½	11,724	19,443	6,634	8,369	138,182
Bacon, ham, and pork.....do.....	2,423	8,085	21,018	23,579	20,521	105,295
Birds, rabbits, and squirrels.....number..	2,605	3,683	3,367	6,201	2,608	39,730
Poultry.....do.....	1,191	1,724	2,220	2,039	1,298	46,863
Eggs.....dozen.....	605	2,377½	2,492½	2,695½	911	10,926
Cheese and butter.....pounds.....	.....	.....	.....	.....	860	370
Potatoes and parsnips.....bushels.....	216½	245	324½	565	76	7,041½
Beans, pease, and onions.....do.....	339½	802½	661½	427	860	7,587½
Cabbage and lettuce.....heads.....	20,071	17,021	37,003	29,916	9,391	315,608
Squashes and pumpkins.....number.....	9	50	35	5,492	4,388	45,664
Corn.....dozen.....	951	1,178½	1,690	2,467	2,097	18,827½
Cucumbers.....do.....	2,060½	3,402	1,971	1,592	1,341	41,841
Eggplants.....number.....	3,485	4,443	5,712	2,826	5,319	45,134
Tomatoes and turnips.....bushels.....	389½	419½	732½	684½	404	8,617½
Kale and spinach.....do.....	600½	457	410	885	167	6,755½
Apples, peaches, pears, and plums.....do.....	744½	295	546½	428	260	6,464½
Watermelons.....number.....	3,184	2,947	3,248	14,541	1,363	90,056
Cantaloupes.....do.....	15,367	13,467	20,788	18,761	13,976	161,103
Berries.....quarts.....	4,993	3,694	6,348	6,402	8,244	66,859
Oranges and lemons.....dozen.....	143	2,375	116	55	788	10,025½
Bananas.....do.....	3,516	1,969	669	1,125	44	16,569
Grapes.....pounds.....	3,325	5,748	12,234	12,512	6,020	64,317
Miscellaneous fruits and vegetables.....bushels.....	520	1,953	1,911½	1,197	1,006½	17,476½
Miscellaneous vegetables.....bunches.....	16,372	19,545	28,290	9,122	13,326	162,217½
Opossums.....number.....	.....	.....	.....	16	.....	16
Venison.....pounds.....	.....	.....	.....	100	70	170
Sauerkraut.....quarts.....	.....	.....	.....	70	.....	70
Cherries.....do.....	.....	.....	.....	61	1,251	1,312
Cauliflower.....number.....	.....	.....	.....	2,746	138	2,884
Pineapples.....do.....	.....	.....	.....	101	379	480

Marine products.—Attention is respectfully invited to the recommendations of this department as to the needs of the public fish wharf, which appear in the annual report for 1896-97. It is recommended, both in the interest of the fisheries and of the consumer, that the passage of a law be secured to prevent the sale of oysters, crabs, and lobsters which are smaller than some fixed legal standard.

TABLE N.—*Inspection and condemnation of marine products for the year ended June 30, 1898.*

Articles.	1897.					
	July.	Aug.	Sept.	Oct.	Nov.	Dec.
<i>Inspections.</i>						
Oysters.....bushels..	788	1,400	17,200	75,900	53,200	68,100
Clams.....number..	625,700	550,000	394,000	211,000	21,000	.....
Crabs.....do.....	372,900	312,400	134,300	17,100	26,000	.....
Mackerel.....do.....	3,940	7,831	4,970	130	.....	.....
Sheepshead.....do.....	.....	.....	16	.....	.....	.....
Striped bass.....bunches..	.....	.....	.....	.....	.....	.....
Bluefish.....do.....	.....	.....	.....	.....	.....	.....
Croakers.....do.....	.....	.....	.....	.....	.....	.....
Eels.....do.....	.....	.....	.....	.....	.....	.....
Sturgeon.....number..	77	58	13	.....	.....	.....
Pike.....bunches..	.....	.....	.....	.....	.....	.....
Perch, yellow.....do.....	.....	.....	.....	.....	.....	.....
Perch, white.....do.....	.....	.....	.....	.....	.....	.....
Trout.....do.....	.....	.....	.....	.....	.....	.....
Catfish.....do.....	.....	.....	.....	.....	.....	.....
Mullets.....do.....	.....	.....	.....	.....	.....	.....
Turtles.....number..	.....	.....	13	.....	.....	.....
Spots.....bunches..	.....	.....	.....	.....	.....	.....
Drumfish.....number..	.....	.....	.....	3	.....	.....
Chubs.....bunches..	.....	.....	.....	.....	.....	.....
Carp.....number..	.....	.....	.....	45	274	574
Flounders.....bunches..	.....	.....	.....	.....	.....	.....
Shad, winter.....do.....	.....	.....	.....	.....	.....	.....
Shad.....number..	.....	.....	.....	90	.....	.....
Butter-fish.....bunches..	.....	.....	.....	.....	.....	.....
Black bass.....number..	80	.....	5	534	1,934	4,084
Herring.....do.....	.....	.....	.....	.....	.....	.....
Hickory-jacks.....do.....	.....	.....	.....	.....	.....	.....
Porgies.....do.....	.....	131	.....	.....	.....	.....
Fish.....bunches..	62,894	37,951	34,222	40,533	36,014	13,881
Halibut.....pounds	.....	.....	.....	.....	.....	.....
Crab meat.....gallons	30	.....	.....	.....	.....	.....
Salt codfish.....boxes	.....	.....	2	.....	.....	.....
Total.....	1,066,409	909,771	584,471	345,335	138,422	86,639
<i>Condemnations.</i>						
Oysters.....bushels..	.....	.....	500	310	.....	.....
Clams.....number..	28,100	14,980	12,900	5,900	1,400	.....
Crabs.....do.....	66,294	66,636	31,050	5,100	.....	.....
Fish.....bunches..	1,406	1,386	1,474	992	509	167
Turtles.....number..	.....	.....	.....	.....	.....	.....
Drumfish.....do.....	.....	.....	.....	.....	.....	.....
Sturgeon.....do.....	.....	.....	2	.....	.....	.....
Herring.....do.....	.....	.....	.....	.....	.....	.....
Shad.....do.....	.....	.....	.....	.....	.....	.....
Hickory shads.....do.....	.....	.....	.....	.....	.....	.....
Carp.....do.....	.....	.....	.....	.....	.....	.....
Trout.....do.....	.....	.....	.....	.....	.....	.....
Halibut.....pounds	.....	.....	.....	.....	.....	.....
Sheepshead.....number..	.....	.....	.....	.....	.....	.....
Crab meat.....gallons	30	.....	.....	.....	.....	.....
Mackerel.....do.....	.....	.....	45	.....	.....	.....
Salt codfish.....boxes	.....	.....	2	.....	.....	.....
Total.....	95,830	83,002	45,973	12,303	1,909	167

TABLE N.—*Inspection and condemnation of marine products, etc.*—Continued.

Articles.	1898.						Total.
	Jan.	Feb.	Mar.	Apr.	May.	June.	
<i>Inspections.</i>							
Oysters.....bushels.....	51,700	37,200	35,800	25,000	3,100	1,400	370,788
Clams.....number.....			34,000	193,000	710,000	1,140,100	3,878,800
Crabs.....do.....				20,400	172,500	340,000	1,395,600
Mackerel.....do.....						8,825	25,696
Sheepshead.....do.....							16
Striped bass.....bunches.....							
Bluefish.....do.....							
Croakers.....do.....							
Eels.....do.....							
Sturgeon.....number.....			1	10	100	190	449
Pike.....bunches.....							
Perch, yellow.....do.....							
Perch, white.....do.....							
Trout.....do.....							
Catfish.....do.....							
Mulletts.....do.....							
Turtles.....number.....					21	20	54
Spots.....bunches.....							
Drumfish.....number.....							3
Chubs.....bunches.....							
Carp.....number.....	422	240	650	241	734	106	3,286
Flounders.....bunches.....							
Shad, winter.....do.....							
Shad.....number.....	1	2	34,558	167,690	66,986	2,810	272,137
Butter-fish.....bunches.....							
Black bass.....number.....	2,909	958	1,130	549			12,183
Herring.....do.....	5,630	31,145	544,600	6,128,000	2,638,000		9,347,375
Hickory-jacks.....do.....			910	5,267			6,177
Porgies.....do.....							131
Fish.....bunches.....	17,503	16,289	40,159	31,195	54,539	74,159	459,339
Halibut.....pounds.....							
Crab meat.....gallons.....							30
Salt codfish.....boxes.....							2
Total.....	78,165	85,834	691,808	6,571,352	3,645,980	1,567,610	15,772,060
<i>Condemnations.</i>							
Oysters.....bushels.....			2,000	690			3,501
Clams.....number.....			150	1,400	9,800	18,750	93,380
Crabs.....do.....				5,100	29,903	64,850	268,933
Fish.....bunches.....	152	130	1,365	2,039	1,308	659	11,587
Turtles.....number.....					3	5	8
Drumfish.....do.....							
Sturgeon.....do.....					5		7
Herring.....do.....				296,000	288,000		584,000
Shad.....do.....					66		66
Hickory shnds.....do.....							
Carp.....do.....	240						301
Trout.....do.....					61		
Halibut.....do.....							
Sheepshead.....pounds.....							
Crab meat.....number.....							
Crab meat.....gallons.....				10			40
Mackerel.....do.....							45
Salt codfish.....boxes.....							2
Total.....	392	130	3,515	305,239	329,146	84,264	961,870

Live stock inspection.—The importance of the proper inspection of live stock, and the impossibility of establishing such inspection under existing circumstances, have been pointed out in previous reports. Recommendations for the establishment of a public abattoir, which have appeared in those reports, are respectfully renewed.

Inspection of dairies, dairy farms, and dairy products.—The inspection of dairies has been maintained as usual. Good results are, it is believed, being attained in this work, and dealers in milk show less tendency than formerly to disregard the requirements of the health office. Four dealers were, however, fined for the maintenance of their places of business in an insanitary condition.

The inspection of dairy farms has, as heretofore, been limited to

those lying in the District of Columbia and in the immediate vicinity thereof. Neither the force of employees nor the amount allotted for contingent expenses has been sufficient to permit the extension of this service to the more remote farms from which milk is received. One conviction was secured under that provision of the milk law which forbids the importation of milk into the District of Columbia without a permit therefor.

Some conception of the amount of work imposed upon the health department by the milk law can be obtained from the following statement. It will be noted that the work specified below is quite independent of routine inspection. Ninety-seven applications for permission to maintain dairy farms in the District of Columbia were acted upon; 39 were granted and 58 rejected. One hundred and eighty-three applications for permission to maintain dairies were similarly disposed of. Of these 125 were granted and 58 rejected. Permits to send milk into this District were granted in 91 instances and rejected in 23, making a total of 114 applications for such permits which were acted upon. Permits for the maintenance of dairy farms have been canceled in 61 cases, for the maintenance of dairies in 202, and for the importation of milk in 42. At the close of the year there were in force 166 permits for the maintenance of dairy farms in the District of Columbia, 463 for the maintenance of dairies, and 545 for the importation of milk.

The inspection of dairy products has been considered in connection with the work of the chemical laboratory; and what has been said elsewhere in reference to the limitation of work under the law to prevent the manufacture and sale of adulterated foods applies to dairy products as well as to other forms of food. Certain defects in the present law regulating the sale of milk will have to be corrected before satisfactory results can be secured; the most important of these is the legal authorization of the control of the temperature at which the milk is kept and offered for sale. The imperfect cooling of milk is probably responsible for more sickness and death than any other one condition relating to this article of food, and yet it is one but little, if at all, understood by the average producer or dealer in milk.

GARBAGE AND DEAD ANIMALS.

There have been collected during the past year 23,167 tons of garbage. The average amount collected daily has been, therefore, 63.47 tons; the average amount for each complete collection, 106.27; and the average per 1,000 inhabitants per annum, 82.66. There have been collected 10,129 dead animals, a daily average of 27.75. The total number of complaints of failure on the part of the contractor to render proper service has been 571, a daily average of 1.56. In view of the fact that not more than 40 per cent of such complaints have been found, upon investigation, to be justly chargeable to the contractor's neglect, the collection service may be regarded as having been reasonably satisfactory.

The method of disposal has not, however, been equally satisfactory. About the beginning of the year the Smith crematory, which had been relied upon to destroy one-half of the garbage collected, proved so unsatisfactory that its use was abandoned. On July 24, 1897, the contractor for the removal of garbage was authorized to dispose of, temporarily, so much of such material as might be necessary by transporting it down the river to a point beyond the limits of the District of Columbia, the Brown crematory to continue in operation to its full capacity. The contractor proposed to transport all garbage and dead

animals to a point outside of the District of Columbia, and to dispose of them there by reduction, transportation to be effected in steel airtight tanks, and the Brown crematory to be kept in good condition for use during periods when travel on the river was prevented by reason of freezing or other causes. Acting upon this proposition, the Commissioners caused a contract to be drafted. When, however, it was presented to the contractor for signature—and after much delay on his part—he discovered that he could not afford to do the work as originally suggested by him, and declined to sign the contract. By this time the approach of winter had resulted in such a reduction in the quantity of garbage collected that it was possible to destroy the entire amount in the Brown garbage crematory, so that matters dragged along until March 1, 1898, when a modified contract was entered into authorizing the garbage contractor to dispose of all garbage by transporting it on scows to a point beyond the limits of the District of Columbia, the Brown garbage crematory to be kept in good condition, but to be used only during such periods as the other method of disposal could not be employed, the contract price remaining as before, \$57,000. Since that date the contractor has been operating under the terms of this contract, a copy of which is printed in the appendix. He has not, however, yet complied with the requirements of such contract relative to the provision of suitable covered scows.

TABLE O.—*Offal removed during the year ended June 30, 1898.*

Month.	Dead animals.	Garbage.	Night soil.
1897.	<i>Number.</i>	<i>Tons.</i>	<i>Barrels.</i>
July.....	1,057	2,340	710
August.....	879	2,435½	680
September.....	1,057	3,264½	742
October.....	867	2,316½	683
November.....	661	1,529½	594
December.....	483	1,659	582
1898.			
January.....	925	1,345	445
February.....	721	1,221½	476
March.....	867	1,142½	619
April.....	1,445	1,990½	599
May.....	793	1,672½	617
June.....	374	2,050½	669
Total.....	10,129	23,167	7,416

TABLE P.—*Offal removed for sixteen years ended June 30, 1898.*

Year.	Dead animals.	Garbage.	Night soil.	Year.	Dead animals.	Garbage.	Night soil.
	<i>Number.</i>	<i>Tons.</i>	<i>Barrels.</i>		<i>Number.</i>	<i>Tons.</i>	<i>Barrels.</i>
1882-83.....	6,569	9,884	14,507	1890-91.....	9,910	24,683	19,671
1883-84.....	6,433	12,950	16,896	1891-92.....	10,528	22,039	18,640
1884-85.....	8,376	12,930	23,827	1892-93.....	9,649	14,814	15,725
1885-86.....	8,808	14,397	24,244	1893-94.....	10,340	14,172	11,284
1886-87.....	9,120	15,612	21,941	1894-95.....	7,512	23,227½	9,720
1887-88.....	7,863	20,136	19,743	1895-96.....	7,712	17,270½	11,800
1888-89.....	7,954	27,034	21,669	1896-97.....	7,161	18,928½	7,759
1889-90.....	8,344	23,914	20,554	1897-98.....	10,129	23,167	7,416

TABLE Q.—Statement of garbage and dead-animal service for year ended June 30, 1898.

	Total.	Average per day.	Average per 1,000 inhabitants.
Garbage collected.....tons..	23, 167	63. 47	82. 66
Dead animals.....number..	10, 129	27. 75	.....
Complaints.....do.....	571	1. 56	.....
Cost total amount of contract.....	\$57, 000	.....	.....
Cost per ton.....	\$2. 46	.....	.....
Cost per collection.....	\$259. 95	.....	.....
Deductions:			
Pay of weighmaster.....	\$782. 50	.....	.....
Fines.....	59. 00	.....	.....
	\$841. 50	.....	.....
Daily service:			
Vehicles in service.....	.....	56	.....
Horses in service.....	.....	62	.....
Men in service.....	.....	56	.....
Semiweekly service:			
Vehicles in service.....	.....	30	.....
Horses in service.....	.....	36	.....
Men in service.....	.....	30	.....

COLLECTION OF GENERAL REFUSE.

It is gratifying to note that the collection of ashes and general refuse at public expense, which has been persistently urged by this department since 1880, has now been taken up by the superintendent of the street-cleaning department. The execution of such work properly belongs to that bureau. The advisability of establishing a general service for the collection and disposal of refuse of all kinds, a plan for which is outlined in the report of the health department for 1897, seems to be still worthy of consideration. The collection of ashes and general refuse is important, and should undoubtedly be undertaken by the Government, but it is hardly as important as the removal of the contents of box privies. It has been urged in the interest of the establishment of the ash service that such a plan would be of great advantage to the poor, as the burden of the removal of such material bears heavily upon them. The same argument applies with a hundred times as much force to the removal of the contents of privies. At the present time this department experiences great difficulty in keeping these conveniences in proper condition. The expense of having them cleaned occasionally leads to the burying of night soil in the yards of dwelling houses, and more frequently to its deposit surreptitiously in the neighboring catch basin in the public street or alley. If such work were done at public expense, instead of endeavoring to have their privies cleaned as seldom as possible the service would be performed regularly; the householders would themselves see that it was not neglected, just as they do now with reference to the contents of their garbage receptacles. Even aside from the sanitary need for the removal of the contents of privies at public expense, simple justice demands it. The Government already provides means whereby a portion of the community can, without cost, dispose of similar refuse, by providing sewer and water facilities for it; and so long as such service is rendered free to some, it, or as nearly its equivalent as possible, should be free to all. The only way in which this can be done is by providing for the removal of the contents of all box privies at public expense. The provision of such service should not be allowed to interfere with the establishment of a service for the collection of ashes and general refuse, but if either must be neglected it should not be that relating to privies.

POUND SERVICE.

The entire number of animals impounded during the year was 2,962, of which 2,889 were dogs. The amount collected in fees was \$401.25. These figures do not compare favorably with those of preceding years. But when it is remembered that the men engaged in the pound service are, with the exception of the poundmaster, appropriated for as laborers in the health department, without particular reference to the pound service; that they are the only employees available for the removal of bedding to and from the municipal disinfecting station; that if they are not employed for that work, steam disinfection, which can be accomplished in no other manner and at no other place, must remain undone; and that the amount of such material to be disinfected has been much greater during the past year than previously, the decrease in the work in the pound service proper will be understood and excused. The usual tables, showing the details of the work of the pound service appear below.

The recommendations for the purchase of a site for a pound, and for the construction of a building for that purpose and as a general stable for the health department, which have been made in previous reports, are respectfully renewed.

TABLE R.—Operations of the pound for the year ended June 30, 1898.

Month.	Impounded.							Disposition.						
	Horses.	Mules.	Cows.	Hogs.	Goats.	Geese.	Dogs.	Total.	Redeemed.	Killed.	Dogs killed.	Returned.	Sold.	Fees col- lected.
1897.														
July	8	.....	2	.....	1	.....	243	254	8	244	243	1	1	\$18. 50
August	6	.....	.....	.....	1	.....	1, 018	1, 025	23	968	968	23	11	67. 00
September	6	4	.....	.....	1	.....	420	431	17	398	397	5	10	58. 25
October	8	.....	3	.....	.....	.....	129	140	14	109	106	6	11	48. 75
November	5	.....	1	.....	.....	.....	56	62	5	53	52	.....	5	18. 75
December	2	.....	.....	.....	.....	.....	73	75	5	64	64	5	1	12. 75
1898.														
January	1	.....	.....	.....	.....	.....	92	93	2	80	80	9	2	10. 50
February	2	1	.....	.....	.....	.....	83	86	4	78	78	3	1	10. 75
March .....	.....	.....	.....	.....	.....	.....	138	138	13	114	114	10	1	28. 00
April	3	.....	1	.....	2	.....	132	138	11	113	113	12	2	25. 75
May	7	.....	.....	.....	.....	.....	170	177	10	152	151	10	4	28. 00
June	6	2	.....	.....	.....	.....	335	343	29	287	287	20	8	74. 25
Total	54	7	7	.....	5	.....	2, 889	2, 962	141	2, 660	2, 653	104	57	401. 25

TABLE S.—Animals impounded during the fifteen years ended June 30, 1898.

Year.	Horses.	Cows.	Calves.	Mules.	Hogs.	Geese.	Sheep.	Goats.	Dogs.	Total.
1883-84.	31	120	.....	2	2	75	.....	29	2, 699	2, 958
1884-85.	15	52	.....	4	2	48	3	64	3, 190	3, 378
1885-86.	22	66	.....	2	1	89	1	52	2, 968	3, 201
1886-87.	21	87	.....	.....	2	16	2	50	2, 880	3, 058
1887-88.	25	85	.....	4	3	26	.....	36	2, 572	2, 751
1888-89.	27	64	.....	3	.....	14	.....	17	2, 581	2, 706
1889-90.	54	110	.....	2	.....	19	.....	25	2, 831	3, 044
1890-91.	60	131	1	5	2	78	.....	26	2, 523	2, 826
1891-92.	62	109	.....	20	2	28	1	26	3, 077	3, 319
1892-93.	76	38	.....	5	2	3	.....	33	2, 963	3, 120
1893-94.	78	26	.....	12	.....	.....	7	21	3, 408	3, 562
1894-95.	80	20	.....	6	1	18	.....	11	3, 601	3, 743
1895-96.	64	18	.....	3	.....	17	.....	3	3, 226	3, 331
1896-97.	60	13	.....	12	1	7	.....	9	2, 962	3, 064
1897-98.	54	7	.....	7	.....	.....	.....	5	2, 889	2, 962
Total	739	952	1	87	18	438	14	401	44, 373	47, 023

PROSECUTIONS.

In 659 cases warrants have been issued at the instance of this department for violations of sanitary laws. In 253 of these the prosecution was abandoned at the request of this office, because of the abatement of the nuisances after the reference of the case to the court and before it came to trial, such action being taken because of the practice of the court of adjudging such cases "not guilty," if tried. In 371 cases convictions were secured and personal bonds taken, or prosecution was delayed by the court or the prosecuting attorney so as to permit the abatement of the nuisance, and upon such action being taken a nolle prosequi was entered. In 2 cases the police were unable to arrest the defendant; in 1, collateral was forfeited; in 1, the defendant was convicted and sentence suspended; in 15, the defendant was convicted and fined; and in 16, the defendant was adjudged not guilty. The amount collected as fines appears to have been but \$88.

TABLE T.—Cases referred to the United States district attorney, and the attorney for the District of Columbia, for prosecution, during the year ended June 30, 1898.

Disposition.	Privies.	Water closets.	Sewers.	Violations of drainage act.	Stables.	Yards.	Vacant lots.	Food and drugs.	Stagnant water.	Impure wells.	Cellars.	Defective surface drainage.	Cows.	Roofs.	Houses.	Private alleys.	Manure.	Hogs.	Total.
Convicted and fined.....	12	.....	.....	1	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
Convicted, fined, and sentence suspended.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Convicted and personal bonds taken, or continued and subsequently disposed of by the attorney.....	97	7	17	235	2	11	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	371
Nolle-prossed (nuisance abated after issue of warrant).....	56	13	25	104	4	18	9	.....	7	2	5	3	1	1	1	1	1	2	253
Dismissed.....	10	.....	.....	4	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	16
Collateral forfeited.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Not found by police.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Total.....	177	20	42	344	7	29	12	3	7	2	5	4	1	1	1	1	1	2	659

LEGISLATION.

The following-named laws, relating to sanitary matters in the District of Columbia, were enacted by Congress during the past year:

An act for the regulation of cemeteries and the disposal of dead bodies in the District of Columbia. Approved, January 25, 1898.

An act to regulate, in the District of Columbia, the disposal of certain refuse, and for other purposes. Approved, January 25, 1898.

An act relating to the adulteration of foods and drugs in the District of Columbia. Approved, February 17, 1898.

An act to prevent the adulteration of candy in the District of Columbia. Approved, May 5, 1898.

These acts are printed at length in the Appendix, in which appears also a statement of the status of each of the various measures pending before Congress at the close of the year, relating to public health in the District of Columbia.

SPECIAL WORK.

At the request of the Congressional Joint Select Committee to Investigate the Charities and Reformatory Institutions in the District of Columbia, the health department examined into the sanitary condition of sixteen institutions and submitted a report relative thereto. This report has been published in full in the report of the committee at whose instance the investigation was made.

During the year the health officer has served on a committee having supervision over the installation of water filters in the public schools. The work of this committee had not been completed at the close of this report.

Respectfully submitted.

WM. C. WOODWARD, M. D.,
Health Officer.

The COMMISSIONERS OF THE DISTRICT OF COLUMBIA.



APPENDIXES
TO THE
REPORT
OF THE
HEALTH OFFICER
OF THE
DISTRICT OF COLUMBIA.



APPENDIX A.

REPORT OF MEDICAL SANITARY INSPECTOR.

SIR: I have the honor to submit the following report of operations under the act to prevent the spread of scarlet fever and diphtheria during the fiscal year 1897-98:

During this period there were reported 700 cases of diphtheria, of which number 131, or 18.7 per cent, terminated fatally.

Our city has, in common with other localities, seen a great increase in the number of cases of this disease during the past two years, the number this year being larger than that reported during any year since the law has been in force. The rate of increase during the year has been only about one-seventh of that of the year 1896-97. During that year the increase over that of the preceding was 294 cases, or 90.2 per cent, while this shows an increase of only 80 cases, or 12.9 per cent. This relatively small increase, in my opinion, is remarkable when are considered the many difficulties under which we labor in the way of a defective law and ignorance and carelessness on the part of the public.

Under our present law our work is almost entirely educational, and as we have no means of enforcing proper isolation and disinfection, it is impossible to prevent the spread of the disease. It is probably owing to the fact that in most instances the families of patients are voluntarily reasonably careful in conforming to the rules of this department that there has not been a much larger number of cases. Unfortunately, during the past year there have been a much larger number of cases than usual among the poorer sections of our city, and as this class of persons is very lax in obeying the instructions given them, are unable in many instances, on account of want of space, to carry them out properly and are very slow in calling for medical attention when sick, they have contributed largely to the spread of the disease.

A great many cases of diphtheria have been traced to what was thought to be a "simple sore throat" or tonsilitis, which in many cases had never been treated by a physician, but which, after other cases had occurred among members of the family or neighbors, on a bacteriological examination proved to be diphtheria.

A reference to Table I shows that of the whole number of cases only 206, or 29.4 per cent, were colored. The rate per each 10,000 of the colored population was 23.4, while of the white it occurred in the proportion of 26.1 to each 10,000. The greatest proportional increase has been among the colored race. Last year the disease occurred among them in the proportion of 15.5, or 7.9 per each 10,000, less than this. This increase of the disease among them is to a very considerable extent the cause of our present higher death rate.

The mortality among the colored cases was 31.1 per cent, while among the whites it was only 13.5 per cent. That more deaths from this disease occur among the colored is due to the fact that they too often refrain from calling in medical attention until the patient has been ill many days, and—in a number of cases the doctor was only called in when the patient was moribund—are unable to secure the proper attention, such

as nursing, good food, etc., which are so essentially necessary to the treatment of this disease, and in those cases not attended by the physician to the poor, the family not being able to pay for it, they were deprived of the beneficial effects of antitoxin.

In Table II is shown the cases and deaths by ages and color. A reference to it will show that the highest rate of mortality among the whites—that of children between the ages of 1 and 3 years—is 28.8 per cent, while among the colored of the same age it was 70.6 per cent. Between the ages of 3 and 6 years the rate was 17.9 per cent against 48.3 per cent for the colored. Taken altogether the rate of mortality of the colored portion of our population was more than double that of the white.

The ages most affected by this disease are those between three and twelve years, 65.7 per cent of all the cases reported having occurred among children of those ages.

In Table V is shown the number of cases, etc., occurring in each precinct. Those precincts having the highest relative number of cases are the third, seventh, eighth, and fourth.

There has been a decrease in the number of cases in the first, second, sixth, and ninth, but a marked increase over the number occurring last year in the third, fourth, seventh, and eighth precincts. In the fifth precinct there has been a decrease in the number of cases treated outside of Providence Hospital, 40 per cent of all the cases in that precinct having been treated in that institution. Of all the cases reported, 86, or 12.3 per cent occurred in institutions.

In the bacteriological laboratory there have been examined, for purposes of diagnosis and to determine the termination of quarantine, 2,299 cultures, a slight increase over the number examined last year. Of these, 1,017 were primary for diagnostic purposes, and of them 436 contained the diphtheria bacilli. It is gratifying to note that physicians are taking an increased interest in this means of diagnosis, for of the 700 cases reported, 62.3 per cent of them were confirmed by a bacteriological examination. It would assist very materially in the prevention of the prevalence of this disease if practitioners would submit cultures from all the sore throats that come under their care. In this way, although a vast majority might show the absence of the Klebs-Löffler bacilli, many cases would be detected which, if a macroscopic examination alone is made, are allowed to go about spreading the disease.

During the year the plant for the disinfection of mattresses, pillows, etc., has been in operation twice a week and has performed its work very satisfactorily.

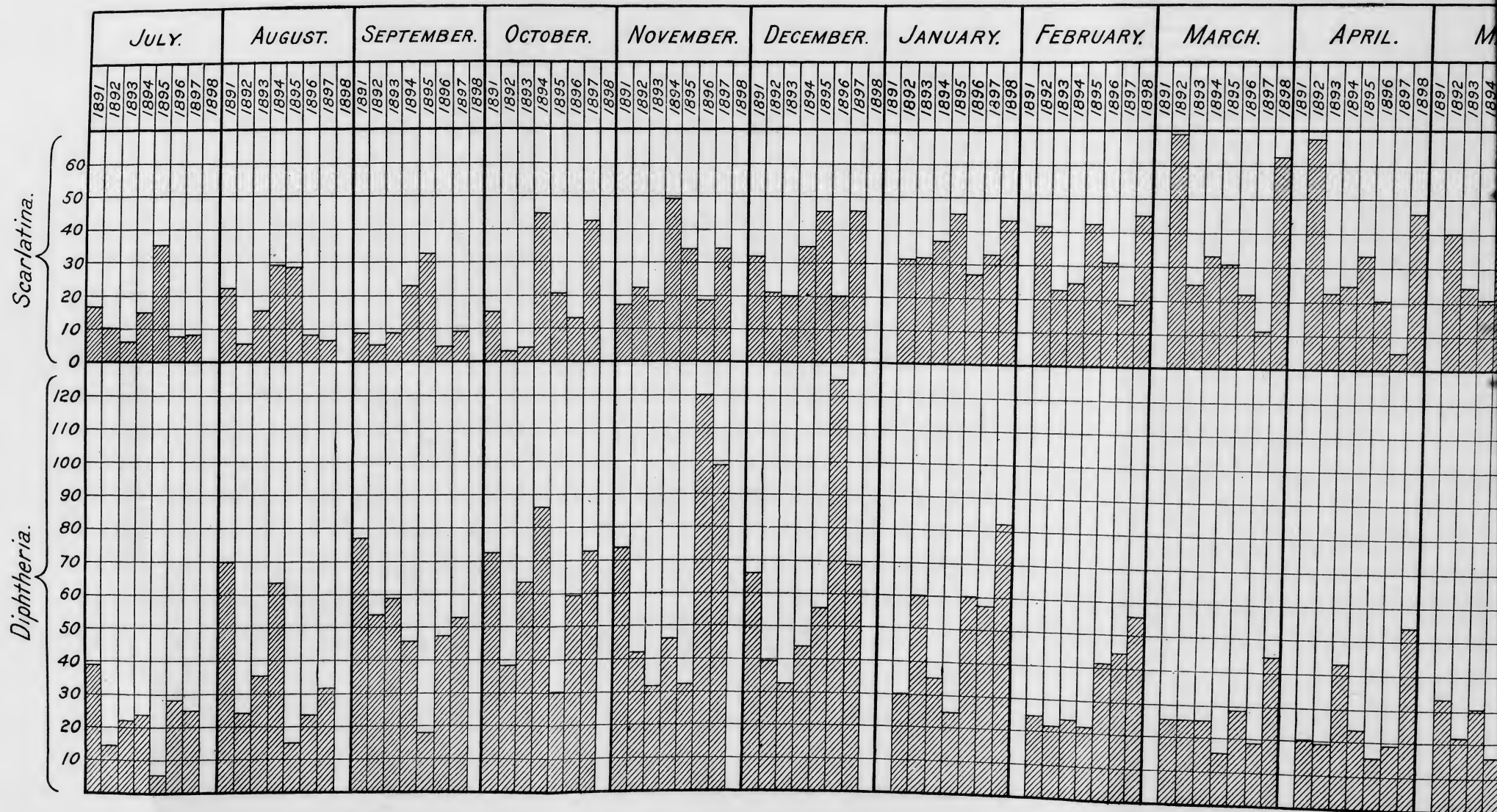
The following articles have been disinfected:

Mattresses.....	983	Table covers.....	12
Feather beds.....	155	Curtains.....	6
Pillows.....	1,656	Clothing.....	5
Bolsters.....	292	Books (lots).....	3
Comforts.....	380	Pad.....	1
Blankets.....	532	Lap robe.....	1
Quilts.....	117	Apron.....	1
Cushions.....	64	Cots.....	12
Carpets.....	257	Hassocks.....	4
Rugs.....	269	Couches.....	11
Matting.....	25	Chairs.....	1
Portieres.....	39	Shawls.....	2
Sheets.....	3		
Mats.....	6	Total.....	4,839

There have been several improvements in and about the building. A broad driveway has been constructed about the plant, and the grade

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98	98	98	98
99	99	99	99
100	100	100	100

CHART SHOWING THE RELATIVE NUMBER OF CASES OF DIPHTHERIA AND SCARLATINA REPORTED EACH MONTH DURING THE YEARS FROM 1891 TO 1898, INCLUSIVE.



of the approach to it reduced, making it more easily accessible for loaded teams. Inside the building the walls have been continued up, and a ceiling of Georgia pine erected. Under the chamber has been constructed a pit, so that the engineer can more readily reach the under parts.

In the disinfection of premises in which there have been cases of diphtheria and scarlet fever we are still using the bichloride of mercury solution, where practicable, in washing the walls, ceilings, woodwork, etc., and formaldehyde gas. This gas is generated from methyl alcohol as in the Kinyoun apparatus, or by using a regenerator, the gas from the watery solution being introduced into the room from the outside. Several tests have been made with this apparatus, and it has proved to be very satisfactory. The need of a disinfecting force is urgently felt. Although very few cases can be traced directly to houses in which there have been patients affected with diphtheria or scarlatina, the disinfection of them is necessarily more or less imperfect, and I think the spread of the disease would be reduced were we able to send trained men to disinfect after each case. The ambulance for the removal of minor contagious diseases has been very useful, and during the year about thirty patients have been removed in it.

The efficacy of the antitoxin treatment for diphtheria has been so well established that for several months past a full record of its use has not been kept. For the seven months to January 30 of this year 211 cases were treated with it, and of this number 8 died, giving a mortality rate of 3.8 per cent. During the same time there were 190 cases treated by other methods and 65 succumbed, making a death rate of 34.2 per cent.

Scarlatina.—Of this disease there were reported during the year 437 cases, an increase of 277 over the number reported last year.

The disease has run a comparatively mild course, and, although the death rate (2.9 per cent) is higher than that of the preceding year, it is still comparatively low.

In Tables III and IV are shown the number of cases and deaths from this disease during the year and the ages and color of the patients and decedents.

Submitted herewith is a chart showing the relative number of cases of diphtheria and scarlatina for each month during the years from 1891 to 1898, inclusive.

Respectfully,

JOHN E. WALSH, M. D.,

Medical Sanitary Inspector and Bacteriologist.

Dr. WILLIAM C. WOODWARD,

Health Officer.

TABLE I.—Number of cases and deaths from diphtheria during the fiscal year 1897-98.

Month.	Cases.					Deaths.					Per cent of deaths to cases.
	White.		Colored.		Total.	White.		Colored.		Total.	
	M.	F.	M.	F.		M.	F.	M.	F.		
1897.											
July	8	9	5	2	24	2	.....	1	1	4	16.6
August	10	13	5	3	31	.....	5	1	1	7	22.6
September	12	19	7	14	52	4	2	3	4	13	25
October	24	22	14	12	72	1	2	7	5	15	20.8
November	30	45	5	19	99	6	5	4	2	17	17.1
December	25	30	8	6	69	3	1	5	1	10	14.5
1898.											
January	21	31	14	16	82	3	5	3	4	15	18.3
February	26	20	4	7	57	2	5	2	1	10	17.5
March	16	14	9	6	45	4	1	4	1	10	22.2
April	13	20	7	14	54	3	4	3	2	12	22.2
May	28	19	5	9	61	2	1	4	1	8	13.1
June	13	26	8	7	54	3	3	3	1	10	18.5
Total	226	268	91	115	700	33	34	40	24	131	18.7

TABLE II.—Showing ages of cases and deaths from diphtheria reported during the fiscal year 1897-98.

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year	9	4	44.4	4	2	50	5	2	40
Between 1 and 3 years	90	33	36.6	73	21	28.8	17	12	70.6
Between 3 and 6 years	209	55	26.3	151	27	17.9	58	28	48.3
Between 6 and 12 years	257	29	11.3	174	14	8	83	15	18.1
Between 12 and 18 years	59	4	6.8	45	.....	.....	14	4	28.5
Between 18 and 25 years	32	2	6.2	20	1	5	12	1	8.3
Between 25 and 50 years	41	3	7.3	26	2	7.3	15	1	6.6
Over 50 years	3	1	33.3	1	.....	.....	2	1	50
Total	700	131	18.7	494	67	13.5	206	64	31.1

TABLE III.—Number of cases and deaths from scarlatina during the fiscal year 1897-98.

Month.	Cases.					Deaths.					Per cent of deaths to cases.
	White.		Colored.		Total.	White.		Colored.		Total.	
	M.	F.	M.	F.		M.	F.	M.	F.		
1897.											
July	1	-----	4	3	8	-----	-----	-----	-----	-----	-----
August	3	4	-----	-----	7	-----	-----	-----	-----	-----	-----
September	3	4	-----	2	9	-----	-----	-----	-----	-----	-----
October	22	20	-----	2	44	-----	1	-----	-----	1	2.3
November	14	22	-----	-----	36	-----	-----	-----	-----	1	2.8
December	17	28	-----	2	47	1	1	-----	-----	2	4.2
1898.											
January	21	22	-----	1	44	1	-----	-----	-----	1	2.3
February	20	22	3	2	47	1	-----	-----	-----	1	2.1
March	22	38	1	2	63	-----	1	-----	-----	1	1.6
April	14	30	1	1	46	1	-----	-----	-----	1	2.1
May	21	21	1	1	44	2	1	-----	-----	3	6.8
June	15	19	4	4	42	-----	-----	1	1	2	4.8
Total	173	230	14	20	437	7	4	1	1	13	2.9

TABLE IV.—Showing the ages of cases and deaths from scarlatina reported during the fiscal year 1897-98.

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year	5	—	—	5	—	—	—	—	—
Between 1 and 3 years	25	—	—	24	—	—	1	—	—
Between 3 and 6 years	130	6	4.6	120	5	4.2	10	1	10
Between 6 and 12 years	216	7	3.2	200	6	3	16	1	6.3
Between 12 and 18 years	37	—	—	35	—	—	2	—	—
Between 18 and 25 years	14	—	—	10	—	—	4	—	—
Between 25 and 50 years	10	—	—	9	—	—	1	—	—
Total	437	13	2.9	403	11	2.7	34	2	5.9

TABLE V.—Number of cases and deaths from diphtheria and scarlatina, by color, occurring in each police precinct, with the mortality, number of cases; and deaths per each 10,000, and population.

Precinct.	Population.		
	White.	Colored.	Total.
First, between K and South B, 7th and 15th streets NW	11,205	1,646	12,851
Second, between K and R, Florida avenue, and 7th and 15th streets NW	24,373	14,579	38,952
Third, between R street and river, 15th street and Rock Creek	19,580	15,142	34,722
Fourth, south of South B street and center of Mall, and west of South Capitol street	19,039	14,154	33,193
Fifth, south of East Capitol and east of South Capitol streets	28,994	10,648	39,642
Sixth, between K street and center of Mall, 7th street west and 1st street east	18,726	5,001	23,727
Seventh, Georgetown	14,595	5,147	19,742
Eighth, north of R street and Florida avenue, west of Brentwood road, and east of Rock Creek	25,354	15,564	41,418
Ninth, east of 1st street east and north of East Capitol	27,091	6,444	33,535
Total	189,457	88,325	277,782

Precinct.	Diphtheria.											
	Cases.			Deaths.			Per cent of deaths.			Cases per each 10,000.		
	White.	Colored.	Total.	White.	Colored.	Total.	To all cases.	To white cases.	To colored cases.	Total pop- ulation.	White pop- ulation.	Colored population.
First, between K and South B,7th and 15th streets NW	10	1	11	1	....	1	9.1	10	.....	8.51	7.81	6.08
Second, between K and R, Florida avenue, and 7th and 15th streets NW	50	17	67	8	11	19	28.3	16	64.7	17.22	20.57	11.72
Third, between R street and river, 15th street and Rock Creek	116	47	163	9	16	25	15.3	7.7	34	46.97	59.49	31.12
Fourth, south of South B street and center of Mall, and west of South Capitol street	57	33	90	13	12	25	27.7	22.9	36.7	27.19	30	23.40
Fifth, south of East Capitol and east of South Capitol streets	62	23	85	15	6	21	24.7	24.2	26.1	21.46	21.37	21.69
Sixth, between K street and center of Mall, 7th street west and 1st street east	27	9	36	5	3	8	22.2	18.5	33.3	15.19	14.44	17.77
Seventh, Georgetown	40	18	58	5	5	10	17.2	12.5	27.7	29.44	27.58	34.92
Eighth, north of R street and Florida avenue, west of Brentwood road, and east of Rock Creek	84	39	123	4	9	13	10.5	4.7	23	29.71	32.56	25.16
Ninth, east of 1st street east and north of East Capitol	48	19	67	7	2	9	13.4	14.6	10.5	20	17.77	29.48
Total	494	206	700	67	64	131	18.7	13.5	31.1	25.20	26.08	23.33

TABLE IV.—*Showing the ages of cases and deaths from scarlatina, etc.*—Continued.

Precinct.	Scarlatina.											
	Cases.			Deaths.			Per cent of deaths.			Cases per each 10,000.		
	White.	Colored.	Total.	White.	Colored.	Total.	To all cases.	To white cases.	To colored cases.	Total population.	White population.	Colored population.
First, between K and South B, 7th and 15th streets NW	4	....	4	1	...	1	25	25	.....	3.18	3.57	.....
Second, between K and R, Florida avenue, and 7th and 15th streets NW	70	4	74	5	...	5	6.8	7.1	.....	19.02	28.80	2.75
Third, between R street and river, 15th street and Rock Creek.	30	....	30	....	....	....	....	....	....	8.64	15.31	.....
Fourth, south of South B street and center of Mall, and west of South Capitol street	40	8	48	....	2	2	4.2	....	25	14.45	21.05	5.67
Fifth, south of East Capitol and east of South Capitol streets	61	13	74	....	....	....	....	....	....	18.68	21.03	12.26
Sixth, between K street and center of Mall, 7th street west and 1st street east	54	4	58	3	...	3	5.2	5.5	.....	24.47	28.88	7.99
Seventh, Georgetown.	21	....	21	....	....	....	....	....	....	10.66	14.38	.....
Eighth, north of R street and Florida avenue, west of Brentwood road, and east of Rock Creek.	60	2	62	2	...	2	3.2	3.3	.....	14.97	23.25	1.28
Ninth, east of 1st street east and north of East Capitol.	63	3	66	....	....	....	....	....	....	19.70	23.24	4.65
Total	403	34	437	11	2	13	2.9	2.7	5.9	15.73	21.27	3.85

NOTE.—Thirty-four of the cases of diphtheria recorded in fifth precinct were treated in Providence Hospital, and, as they were brought from all sections of the District, should not be charged to that precinct.

APPENDIX B.

REPORT OF THE CHEMIST.

JUNE 30, 1898.

DEAR SIR. I have the honor to submit herewith the report of the work performed in the chemical laboratory for the fiscal year ended June 30, 1898.

During the year I have made 607 analyses, which may be classified as follows:

Milk	350	Drugs	18
Water	141	Cream	7
Mustard	18	For police department and coroner...	16
Lard	17	Miscellaneous	33
Vinegar	7		

The miscellaneous samples examined includes a variety of substances, such as cider, cloves, tonic beer, pepper, sausage, coffee, sugar, honey, flour, molasses, disinfectants, distilled water, germea, etc.

In addition to the analytical work, I have also during the year inspected 183 dairies, examined the ventilation in the United States court-house, as well as in 1 schoolhouse, and assisted yourself in the examination of 16 charitable institutions.

Milk.—This subject, as heretofore, has continued to receive considerable attention, although the various other duties of the chemist renders the constant supervision of this important food an impossibility.

It is unfortunate that more time can not be devoted to this work, as the importance of the same is now universally admitted, and there is no doubt but that a more rigid system of milk inspection would be of great benefit to the public generally.

During the year, as stated above, there have been analyzed a total of 350 samples of milk, 115 of which were collected at the Baltimore and Ohio Depot, 107 at the Baltimore and Potomac Depot, 12 at the Washington and Alexandria Station, 88 collected about the city, while the remainder were submitted by private individuals.

While the number of samples examined of those collected about the city are somewhat small in number upon which to base an opinion as to the actual quality of the milk as furnished to the consumer, yet, accepting the number examined as representing the whole, we notice that there is a great improvement in the quality of the same, from year to year, as sold about the city, and that the percentage of fat in the milk approaches closer to the theoretical per cent as furnished to the dealer.

As the samples collected at the Baltimore and Ohio and the Baltimore and Potomac depots were taken from practically every shipper, the percentage as found represents pretty accurately the average fat component of the milk as supplied to the retail dealer. This percentage is as follows: For the milk collected at the Baltimore and Potomac Depot, 4.37; for that collected at the Baltimore and Ohio, 4.27; for the Washington and Alexandria Station, 3.7; while that collected about the city showed an average of 4.23 per cent of fat.

As only twelve samples were collected at the Washington and Alexandria Station, and as two of these were badly watered, owing to the fact that they were consigned directly to lunch rooms, thus materially lowering the standard, it is but fair to leave these samples out of consideration in accepting the average of the fat in the milk as supplied to the city. With this omission, therefore, the average fat content of the milk as supplied to the retail dealer would be 4.32 per cent, while that collected about the city shows an average of 4.23 per cent.

From this it will be seen that the quality of the milk as furnished to the customer has improved considerably during the year; and not only has this improvement taken place in regard to its quality, but also in regard to methods of handling and maintaining the same in a more sanitary and cleanly condition.

During the year, as above stated, I have made 183 inspections of dairies, many of which were located in places which had been used previously for the same purpose. In nearly every instance it has been necessary to make marked improvements over their former conditions in order to comply with the regulations. This has necessitated greater cleanliness, better light, ventilation, and methods of handling and storing the milk.

The result of this has been manifest, for, while there has been some complaint of the quality of the milk during the year, as represented by its having a bitter taste or disagreeable odor, or its souring rapidly, yet the number of such complaints has materially decreased over those of former years.

In this connection it might be well to call attention to the necessity of amending the present law in such a manner as will allow the enforcement of regulations governing the temperature at which milk shall be allowed to be sold, and other defects in the method of handling which our present regulations fail to cover.

It is now generally acknowledged that there is but one practical method for the handling of milk. First, cleanliness must be maintained in every particular, and, secondly, the milk must be cooled immediately after milking to a low temperature and kept there until ready for consumption.

The law should also be amended so as to allow of the enforcement of regulations governing milk sold in grocery stores and lunch rooms. At present, according to a decision of the court, no permit for the sale of milk is necessary in such cases. This is entirely wrong, for if there is any place where this department should have jurisdiction over the milk supply it is in the grocery store and lunch room.

This decision of the court also practically allows an individual to maintain a dairy, and at the same time avoid the necessity of taking out a permit and conforming to the dairy regulations, simply by adding to his stock in trade a few loaves of bread, some crackers, and a little pastry. All persons who sell milk should be governed by some regulations, otherwise the public will be the sufferer.

Much has been said in regard to the necessity of cleanliness, both at the farm and in the dairy, and it is unnecessary, therefore, at this time to repeat what has been said so often, yet it is interesting to note the effect a little care has on the quality of the milk.

As an illustration of this, investigations made by the Ontario Agricultural College and Experiment Station show that the milk supplied by the college dairy contained from 8,000 to 18,000 germs per cubic centimeter, while that sold in Guelph contained from 121,000 to 1,200,000 per cubic centimeter.

In this investigation it was also shown that the fore milk contained from 18,000 to 54,000 germs per centimeter, while the balance contained from 890 to 4,800 per centimeter. Such being the case, it is evident that were the first few streams milked on the ground, the number of bacteria in the milk would be greatly reduced, and its keeping qualities greatly promoted in consequence.

The report on the work above referred to also shows that the number of germs falling into a 12-inch pail under ordinary conditions ranged from 8,000 to 17,000 per minute, while with the flanks of the animal moistened with a wet cloth the number was reduced to from 640 to 2,300 per minute. It is, therefore, again self-evident that the sponging of the animal before milking is an important factor in supplying wholesome milk, which quality might be still further increased by using pails with small openings. Such pails, with funnel opening and strainer attached, have been in the market for a number of years, although, owing probably to their slight additional cost, their use has not been very generally adopted.

It is unfortunate that such is the case, for in addition to a reduction in the number of germs contained in the milk which their use would insure we would also find a reduction in the amount of slime contained therein. Under ordinary circumstances this amounts to about 0.03 per cent, ranging from 0.02 to 0.04, according to the care taken in drawing and handling the milk.

This slime is made up principally of epithelium cells, parts of insects, hairs, dust, etc., and seems to bear a certain relation to the acidity of the milk, increasing to a certain extent with the increased acidity. This slime in the milk is easily removed by means of separators, which are now universally in use in creameries, and which it is hoped will soon become more generally adopted by all persons engaged in the dairy industry.

It would seem, therefore, that in order to produce wholesome milk, it is essential that the cows should be sponged before milking; that pails with small openings should be used; that the milk should be separated from the slime; that the same should be cooled at once to a low temperature, and that while these operations are in progress there should be as little disturbance in the barn and dairy as possible.

Equally as essential, however, is the care bestowed upon the milk after it reaches the city. This can only be successfully bestowed by providing the necessary utensils and appurtenances. These necessarily include proper receptacles for holding the milk, cooling chambers or boxes, separate rooms for the washing of the utensils and for the storage of the milk, and the wash room so arranged that hot and cold water are at all times easily available. In addition thereto, the wash room should have sewer connections where the same is available, and in the absence thereof such other facilities for the disposal of the wash water as is acceptable to this department.

Cans and measures with concave bottoms are preferable to those having flat bottoms, while for the proper washing and scouring of the same brushes, common salt, and washing soda are essential. Sponges should not be used, as, owing to their porosity, it is a very difficult matter to keep them in a cleanly condition. Old cans with rusty seams should not be used, and this department should have the authority to condemn and destroy all cans of this nature.

While it is theoretically possible to keep milk in a proper condition without such preparations, practically and in fact it is not done, so that our regulations should be broader in scope, and make the granting of a permit dependent upon acceptable conditions in the dairy.

Owing to the small capital required to engage in the dairy business a large number of applications for permits to maintain the same are received at this office in the course of a year, many of which are from persons who merely wish to tide over a period while they are out of work, so to speak, and thus have neither the funds nor the desire to properly equip a dairy. This fact is further exemplified by the large number of permits returned to the Department in the course of a year, representing those who have retired from business.

In other words there is a constant traffic in these small dairies, which is in my opinion detrimental to the best conditions for maintaining a pure and wholesome milk supply.

Under ordinary circumstances I should hesitate to make any recommendations which might in any manner interfere with any individual in the pursuit of a livelihood, yet under the present circumstances it would seem only reasonable that there should be some restriction to a traffic upon which so much depends. I would therefore recommend for your consideration the imposition of a license fee for maintaining a dairy in the District of Columbia, and I have no doubt but that were such a license required there would be less buying and selling of dairies and that the condition of the milk would improve in consequence.

During the year six cases for the sale of adulterated milk were prosecuted before the police court, and four cases for the maintenance of insanitary dairies.

I have no doubt but that there are a number of other dairies in the city that do not, at least, conform to the regulations. For this reason it would seem desirable that all those dairies which were permitted to operate previous to the enactment of said regulations should be re-inspected. In making inspections of dairies we are very often confronted with a comparison of the dairy under consideration with one which has received a permit previous to the enforcement of the present regulations. In such cases, to be sure, we have a remedy at court, but it should be remembered, in extenuation of the circumstances, that in all such cases a permit was originally granted by this department, probably under the identical conditions that now exist. It would, therefore, seem but just that re-inspections should be made in all such cases, and that by warning or otherwise all dairymen should be made to operate under the same regulations.

There is but one other point connected with the milk industry to which I desire to call your attention at this time, and that is to the practice of certain dairymen of filling their bottles on the streets. This is in direct violation of the regulations, and should not, therefore, be tolerated. Unfortunately, the lack of an adequate inspection force reduces this part of the work to a minimum. A number of cities have men specially assigned to this work, and I am of the opinion that the work is of sufficient importance here to justify the same method of procedure in the District of Columbia.

To the desirability of obtaining such an inspector, through recommendations to Congress or otherwise, I would, therefore, respectfully invite your attention.

Water.—As stated in the summary, 141 samples of water were examined during the year. Of this number 39 were submitted by private parties, 12 were collected from private wells, 30 were submitted by the engineer department, embracing so many additional public wells, while the remaining 50 represents weekly analyses of the Potomac water, undertaken at the instigation of the Marine-Hospital Service.

Twenty-two samples of water from the private wells were condemned

as unfit for use, and 2 were reported as suspicious, while of the public wells examined, 8 were condemned, 1 reported as suspicious, and 1 recommended to be cleaned.

The relative per cent of wells condemned to the total number analyzed is 20 for the public wells and 47 for the private.

The subject of water analysis is an important one, and one upon which the health of a community largely depends.

For many years we have been dependent upon chemical analyses alone for determining the presence or absence of impurities in water, and while the subject of biology as applied to water examinations has recently thrown new light upon this subject, yet we are still largely dependent upon the science of chemistry for information relating to this subject.

Were it practical the most satisfactory method of analysis would be to examine the water direct for the presence of dangerous microbes contained therein. Unfortunately, however, we have not as yet isolated all the disease bacteria, nor can we always distinguish those we do know, while the variety of harmless or even beneficial bacteria, together with their great number, renders it extremely difficult, and in many cases practically impossible to isolate the disease germ.

On the other hand, while these germs can not always be isolated, yet they are always accompanied by large quantities of excreta and other organic matter, two constituents of which, the nitrogenous matter and the chlorides, can easily be determined by chemical methods. Hence, by a careful analysis of a water and a determination of these constituents, we can easily determine, not whether a water actually contains disease germs, but rather whether it is contaminated with material which is usually associated with and is liable at some time or other to contain such germs.

Yet, while the subject of bacteriology does not determine accurately the presence of all disease germs, there are many forms inimical to life that can be isolated, and while chemistry likewise fails to locate their presence, yet it does show whether the conditions are favorable or unfavorable for their development, and whether or not any pollution of the water has taken place.

In view of these circumstances, therefore, it would seem advisable that, in order to ascertain the nature of a water, both bacteriological and chemical methods of analysis should be used, and in pursuance of this idea I have in a number of instances endeavored to make use of the more important bacteriological tests in connection with my chemical analysis.

In view, therefore, of the difficulties encountered in a proper analysis of water, how absurd it must seem to a practical man to attempt to regulate the purity of water by chemical standards alone, without regard to the past history of the water or without consideration as to the origin of the chemical ingredients contained therein. Good judgment in the interpretation of an analysis is as essential as the analysis itself, but as I have covered this subject pretty thoroughly in previous reports, it is unnecessary that it should receive further consideration at this time.

I would, however, call attention to the use of boiled water for drinking purposes. It is maintained by some that boiled water is injurious to health, while others are equally as positive that it is not injurious. While these opinions are largely a matter of conjecture, yet it can be stated first, without fear of contradiction, that boiled water is undoubtedly safer to use than where such water contains large quantities of organic matter or is in any manner contaminated with disease germs.

On the other hand, it is equally as probable that a comparison of pure spring water with the same water boiled would show a decided advantage in favor of the former.

Water, it should be remembered, possesses the remarkable property of absorbing in certain proportions the majority of those gases with which it happens to come in contact, notably the gases of the atmosphere, as well as other gaseous impregnations or impurities which it may contain.

This power of absorption is not equal for all gases, and therefore we find a much larger proportion of oxygen in relation to nitrogen than exists in the atmosphere itself.

The amount of any particular gas present in a water also depends upon its temperature, so that in general the colder the water the greater will be its power of absorption and the greater will be the amount of gas contained therein. The knowledge of this fact explains why a water when cold tastes fresh and pleasant, and that when slightly warmed only, as by exposure to the sun, becomes flat and insipid, the gases, consisting chiefly of oxygen and carbonic acid, which gives to water its freshness, having been expelled by heat.

Boiled water, unless it shall have been afterwards properly aerated, will be lacking that essential element, oxygen, which is probably necessary to the active performance of several of the important vital functions.

The majority of our foods contain large quantities of oxygen, and, in my opinion, it would seem as reasonable to suppose that a food deprived of its oxygen would be as nutritious as would water under the same conditions. For that reason it would seem advisable that greater care should be exercised in the locating of wells, in order that the water may be freely used as nature intended it should be, rather than to depend upon the practice of boiling to render it safe for drinking purposes.

Under ordinary circumstances, therefore, the deeper the well the cooler will be the water, the more gaseous elements will be contained therein, the more wholesome, pleasant, and less liable to contamination will the water be.

Foods.—As is shown in the summary, a number of foods and drugs were examined during the year, the most interesting point connected therewith being the large proportion that were found adulterated.

Of the samples of mustard examined, for instance, but 2 samples were found that had any claim at all to be called pure, while 4 samples out of 17 of lard were found to be lard substitutes.

Twenty-three cases for the sale of adulterated foods were successfully prosecuted before the court during the year. Of the above number 14 were for the sale of mustard, 3 for the sale of lard, and 6 for the sale of adulterated milk.

As stated above, 4 cases of lard were found adulterated, but as 1 of them was obtained in the original package, it was not certified to for prosecution. The dealer was informed, however, as to the character of the goods, with the result that he refused to handle them further. It is unfortunate that we can not reach goods in the original package, although there seems reason to believe that Congress will now at an early date take up this question. In this connection it might be well to consider the history and development of pure-food legislation in the District of Columbia.

While the science of sanitation, so far as it relates to the subject of pure food, dates back several centuries, yet the development of the

science in this country has been comparatively slow, and has received but little attention until quite recently.

So, likewise, in the District of Columbia we find that the necessity for food legislation was recognized over twenty-five years ago, when Congress in 1871 passed a law defining the duties of the board of health, wherein the said board was granted the necessary authority to pass ordinances relative to the manufacture and sale of pure food and drugs in the District of Columbia.

Under authority of this act and pursuant thereto, the board of health passed, on May 15, 1871, its first ordinance relative to the sale of pure food.

The object of this ordinance was evidently intended to prevent the adulteration of foods with substances injurious to health only, and did not take into consideration the adulteration of foods with substances which, while not actually injurious to health, nevertheless reduced, by this adulteration, the nutritive value of the food.

Still further the law must have been inoperative largely from the fact that in the first section the violation of the law is made to depend upon the proof that the law had been knowingly violated, for it reads as follows: "That no person shall knowingly sell, or cause to be sold, within the cities of Washington and Georgetown, any impure, diseased, decayed, or unwholesome provisions," etc. That this ordinance proved to be of little value in protecting the citizens of the District is still further shown in the fact that there is no report of the chemist either as to the result of his analyses during that time nor any convictions for the sale of adulterated foods.

This is still further shown by the fact that in 1874 the sanitary committee reported as follows:

That the present system of inspection adopted in accordance with the limited means heretofore supplied to the board of health by Congress or by the legislature is totally inadequate to protect the people of the District of Columbia against the sale of unwholesome food.

That to carry out the spirit and intent of the law a system of inspection should be organized and adopted that will render the sale of unwholesome food measurably impossible.

In pursuance of this idea the health officer, in his annual report for the year 1874, makes the following statement:

The board of health of the District of Columbia, participating in the appreciation of the importance of this question, have inaugurated a series of chemical analyses with a view to the possible permanent employment of an expert in this department. Under your direction I have selected eighty-four specimens of groceries and have submitted them to B. F. Craig, M. D., chemist of the board, etc.

Then follows the report of the chemist, describing in detail the character and extent of adulterations found in the samples examined. This seems to have been the extent of operations in this direction, for we find no further analyses recorded until the 11th of April, 1879. In fact, the health officer seems to have become discouraged in his laudable efforts to inaugurate a proper system of food inspection, for, in his report for 1877, on the subject of food inspection, he states:

It is an event devoutly prayed for that this service, which concerns the nutriment of the people and very intimately their health, be provided for as its importance demands. The farce of attempting "to prevent the sale of unwholesome food in the cities of Washington and Georgetown" by the agency of two inspectors alone appears so ridiculous to every man who understands the scope of said requirement of the organic act that we might well wonder why the original force was not increased instead of reduced did we not believe that no appreciative knowledge of the subject involved actuated the authors of the reduction.

Few men study this question; hence their prevailing ignorance, which begets prejudice, until they are found even militating against their own individual interests.

From the 11th of April, 1879, until the 14th of October, 1892, however, we find a total of 615 analyses recorded. Up to 1892, however, there seems to have been no laboratory connected with the department, the work being performed by the inspector of ashphalts and cements, connected with the District government, so that the prosecutions were necessarily few and far between.

It was during this year that a chemical laboratory was first established in connection with the health department, the fitting out of the same devolving upon myself, with the old ordinance of the board of health to work under. It was soon found that this ordinance was of little value, for, although a large number of cases were brought before the court for prosecution, chiefly for the sale of adulterated milk, it developed during the trial that only in cases where water or some other deleterious substance had actually been added to the milk could prosecutions be successfully made.

It must, therefore, seem somewhat peculiar that notwithstanding the fact that the board of health, soon after it came into existence, recognized the necessity for pure-food laws and means for their enforcement, and even passed an ordinance relative to the same, we find practically nothing to have been accomplished in this line for over a period of twenty years. In other words the District of Columbia, the seat of the national capital, was just about twenty years behind the times.

It should, however, be stated that there was passed in 1888 a law to prevent the manufacture and sale of adulterated foods and drugs in the District of Columbia. This law, modeled after the English law which with its amendments passed Parliament in 1860 to 1875, would have been of great value to the public and to the promoters of sanitary science, had some provision been made for its enforcement.

Unfortunately, however, the operation of the law was left to the internal-revenue department, and was so specified in the act of Congress. It is to be presumed, and it is undoubtedly true, that the manifold duties of the internal-revenue department were such as to prevent much attention being given to the needs of the District.

So this law slumbered for a period of about four years, or until the law became available to the health department by virtue of the chemist of the latter office being made nominally an officer of the internal-revenue department.

Some progress was made under this law, although the necessity of a chemist of this department reporting to the Commissioner of Internal Revenue rather than to the health officer necessarily occasioned delays that were detrimental to the practical operations of the law. It became evident, therefore, that in order to protect the people of the District of Columbia from the pernicious effects of adulterated foods and drugs, and to cope successfully with the rapidly increasing misbranding and sophistication of food products, it was necessary that the health department should have authority of its own to meet the exigencies of the situation.

The act of Congress approved March 2, 1895, was the first beneficial result of these efforts. This act was "An act to regulate the sale of milk in the District of Columbia, and for other purposes." This act provided not only for the sale of unadulterated milk in the District, by imposing severe restrictions upon the dealers in this commodity, but also placed a safeguard about the milk at the point of production by requiring dairy farms to take out a permit before shipping milk into the District of Columbia. It also provided that all dairies in the District should conform to certain regulations, and that all cattle supplying

milk for the city should be examined and pronounced healthy before a permit could be issued.

Thus we find that practically a quarter of a century after the establishment of a board of health for the District, the first law having any practical bearing upon the production of pure milk is put into successful operation.

While this law covered the subject of the milk pretty thoroughly, the subject of adulterated foods, other than milk, was as yet unprovided for, so that the efforts of the department were now turned in this direction, with the result that "An act relating to the adulteration of foods and drugs in the District of Columbia" was approved February 17, 1898. This law is practically complete in every detail, and covers the adulteration, misbranding, and sophistication of foods and drugs in the District, although it is of course deficient in so far as it relates to goods put up in the original package.

The necessity for such a law has become more and more apparent, as year by year the competition of manufacturers has led them to adopt means for the cheapening of commodities at the expense of their nutritive value, so that it is a matter for congratulation that to-day, practically for the first time in the history of its existence, the health department is provided with the necessary authority to successfully control food adulterations in the District of Columbia, although it is to be regretted that the department is not yet properly equipped for carrying on such work.

In concluding this report I would respectfully call your attention to the needs of the chemical laboratory.

Since the establishment of this laboratory in its present quarters, which were originally limited as to size, there has been added to it a department known as the scarlet fever and diphtheria service. While this department originally occupied but little space in the laboratory, and was, therefore, unobjectionable, it has gradually increased in its needs, and consequent occupation of the laboratory, as to greatly interfere with the proper performance of the duties of the chemist.

For in addition to the bacteriological work carried on in this department, the laboratory has gradually become a storeroom for pretty much everything connected with the scarlet fever and diphtheria service.

In addition thereto the constant ingress and egress of those acting for this service interferes seriously with any scientific work that might be in progress.

In view of these facts, therefore, I would recommend that either a separate room be fitted up for the use of the scarlet fever and diphtheria service or that some place other than the laboratory be maintained for the storage of the necessary appurtenances connected with that service.

Chemical work can not be successfully carried on under such conditions as exist in this laboratory at present, and I therefore feel it my duty to call your attention to the facts as set forth.

Very respectfully submitted.

J. D. HIRD, M. A., *Chemist.*

W. C. WOODWARD, M. D.,
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It was during this year that a chemical laboratory was first established in connection with the health department, the fitting out of the same devolving upon myself, with the old ordinance of the board of health to work under. It was soon found that this ordinance was of little value, for, although a large number of cases were brought before the court for prosecution, chiefly for the sale of adulterated milk, it developed during the trial that only in cases where water or some other deleterious substance had actually been added to the milk could prosecutions be successfully made.

It must, therefore, seem somewhat peculiar that notwithstanding the fact that the board of health, soon after it came into existence, recognized the necessity for pure-food laws and means for their enforcement, and even passed an ordinance relative to the same, we find practically nothing to have been accomplished in this line for over a period of twenty years. In other words the District of Columbia, the seat of the national capital, was just about twenty years behind the times.

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Unfortunately, however, the operation of the law was left to the internal-revenue department, and was so specified in the act of Congress. It is to be presumed, and it is undoubtedly true, that the manifold duties of the internal-revenue department were such as to prevent much attention being given to the needs of the District.

So this law slumbered for a period of about four years, or until the law became available to the health department by virtue of the chemist of the latter office being made nominally an officer of the internal-revenue department.

Some progress was made under this law, although the necessity of a chemist of this department reporting to the Commissioner of Internal Revenue rather than to the health officer necessarily occasioned delays that were detrimental to the practical operations of the law. It became evident, therefore, that in order to protect the people of the District of Columbia from the pernicious effects of adulterated foods and drugs, and to cope successfully with the rapidly increasing misbranding and sophistication of food products, it was necessary that the health department should have authority of its own to meet the exigencies of the situation.

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In addition thereto the constant ingress and egress of those acting for this service interferes seriously with any scientific work that might be in progress.

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Chemical work can not be successfully carried on under such conditions as exist in this laboratory at present, and I therefore feel it my duty to call your attention to the facts as set forth.

Very respectfully submitted.

J. D. HIRD, M. A., *Chemist.*

W. C. WOODWARD, M. D.,
Health Officer.

APPENDIX C.

STATUS OF LEGISLATION RELATING TO PUBLIC HEALTH IN THE DISTRICT OF COLUMBIA AT CLOSE OF FIFTY-FIFTH CONGRESS.

A bill to prevent the adulteration of candy in the District of Columbia. H. R. No. 409. S. Report No. 616. H. R. Report No. 351. Became a law May 5, 1898. (See Public Document No. 81.)

A bill granting the right to sell burial sites in parts of certain streets in Washington City to the vestry of Washington parish for the benefit of the Congressional Cemetery. H. R. No. 4101. In the House of Representatives, reported back from the Committee on the District of Columbia and passed. In the Senate, reported back adversely from the Committee on the District of Columbia (S. Report No. 941).

A bill creating a commission for the condemnation of insanitary buildings in the District of Columbia, and for other purposes. H. R. No. 5888. Referred to the Committee on the District of Columbia. S. No. 2925. Referred to the Committee on the District of Columbia.

A bill to amend an act entitled "An act for the regulation of the practice of dentistry in the District of Columbia, and for the protection of the people from empiricism in relation thereto." Approved June 6, 1892. H. R. 7086. Referred to the Committee on the District of Columbia. S. No. 3301. Referred to the Committee on the District of Columbia.

A bill to provide for completing the system of sewage disposal and protection against floods in the District of Columbia, and for other purposes. H. R. 7239. Referred to the Committee on the District of Columbia. S. No. 3397. Referred to the Committee on the District of Columbia.

A bill to regulate the practice of veterinary medicine and surgery in the District of Columbia. H. R. 7810. Referred to the Committee on the District of Columbia. S. No. 3610. Referred to the Committee on the District of Columbia.

A bill to regulate the sale of poisons in the District of Columbia. H. R. No. 8390. Reported back with amendments (H. R. Report No. 1452). S. No. 470. Reported back adversely from the Committee on the District of Columbia (S. Report No. 451).

A bill to authorize the acquisition of certain real estate for the purpose of a site for a hospital for the treatment of contagious diseases. H. R. 9429. Referred to the Committee on the District of Columbia.

A bill for the regulation of cemeteries and the disposal of dead bodies in the District of Columbia. S. No. 467. S. Report No. 118. H. R. Report No. 141. Became a law January 25, 1898. (See Public Document No. 6.)

A bill relating to the adulteration of foods and drugs in the District of Columbia. S. No. 471. S. Report No. 121. H. R. Report No. 218. Became a law February 17, 1898. (See Public Document No. 20.)

A bill to further regulate the sale of milk in the District of Columbia. S. No. 1084. Referred to the Committee on the District of Columbia.

A bill for the prevention of smoke in the District of Columbia, and for other purposes. S. No. 1085. Referred to the Committee on the District of Columbia.

A bill to restore medical freedom to the people of the District of Columbia. S. No. 1134. Referred to the Committee on the District of Columbia.

A bill to regulate, in the District of Columbia, the disposal of certain refuse, and for other purposes. S. No. 1258. S. Report No. 119. H. R. Report No. 142. Became a law January 25, 1898. (See Public Document No. 8.)

A bill to regulate the practice of pharmacy in the District of Columbia. S. No. 1330. Reported back adversely from the Committee on the District of Columbia (S. Report No. 695).

A bill to provide for the sprinkling of the streets of the District of Columbia, and thereby to better promote the health and comfort of the people, and for other purposes. S. No. 2014. Referred to the Committee on the District of Columbia.

A bill regulating the inspection of flour in the District of Columbia. S. No. 3941. Reported back from the Committee on the District of Columbia. (See S. Report No. 1210.)

Joint resolution authorizing the Commissioners of the District of Columbia to alter, amend, or repeal certain health ordinances. Reported back from Committee on the District of Columbia (see S. Report No. 617) and passed. In House of Representatives, referred to Committee on the District of Columbia.

APPENDIX D.

LAWS RELATING TO PUBLIC HEALTH ENACTED DURING THE YEAR ENDED JUNE 30, 1898.

[PUBLIC—No. 6.]

AN ACT for the regulation of cemeteries and the disposal of dead bodies in the District of Columbia.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That from and after the passage of this Act no person or persons shall lay out any new cemetery, or part of any cemetery, within the city of Washington, in the District of Columbia, nor in said District within one mile and a half from the boundaries of said city; no person shall, in said District lay out any cemetery, or part of any cemetery, within less than two hundred yards of any dwelling house except with the written consent of the owner, lessee, and occupier of such house, nor without a permit to do so from the Commissioners of said District.

SEC. 2. That it shall be the duty of the owner or owners of any cemetery or cemeteries in said District to inclose such cemetery or cemeteries in said District with good and sufficient walls or fences to prevent entrance thereto or exit therefrom except by gates provided for that purpose. Such cemetery or cemeteries shall, if required by the Commissioners of said District, be underdrained to such a depth as will prevent water remaining in any grave or vault therein.

SEC. 3. That it shall be the duty of the owner or owners of any cemetery or cemeteries in said District to divide the area to be used for graves into lots of reasonable size, to be permanently designated by conspicuous marks, so that the position of each may be readily determined; each lot to be duly numbered; a plat of such cemetery showing the area so divided, the division into lots, and the number of each such lot shall be filed in the office of the surveyor of said District; the grave spaces hereafter laid out for the burial of persons above ten years of age to be at least eight feet by three feet, and those for the burial of children under ten years of age, at least six feet by two feet, or, if preferred by said owner or owners, one-half the measurement of the adult grave space, namely, four feet by three feet.

SEC. 4. That it shall be the duty of the owner or owners of any cemetery or cemeteries in said District to cause to be kept in the office of the superintendent or person in charge of such cemetery or cemeteries a register showing the number of each lot, the name, age, cause of death, and date of burial of each person or persons buried in any such lot or grave space, and the number of the burial permit authorizing such burial; in cases of disinterment said register shall show the date of such disinterment and the number of the official permit therefor, opposite the name of the person whose remains are disinterred; such register shall be, at all times, open to inspection by duly authorized representatives of the health department and of the police department of said District.

SEC. 5. That it shall be the duty of the superintendent or person in charge of any cemetery, or other place for the disposal of dead bodies of human beings in the District of Columbia, to register his or her name at the office of the health department of said District, giving full name, residence, and place of business, and in case of removal from one place to another in said District to make change in such register accordingly.

SEC. 6. That no dead body of any human being, or any part of such body, shall, in said District, be removed from place to place, interred, disinterred, or in any manner disposed of without a permit for such removal, interment, disinterment, or disposal granted by the health officer of said District, nor otherwise than in accordance with the terms of said permit; permits for the removal, interment, or disposal to be issued upon the presentation of a proper death certificate, signed by a physician, registered at the health department of said District, who has attended the deceased during his or her last illness, or by the coroner of said District or his deputy, or by the proper municipal, county, or State authorities at the place where the death occurred; permits for disinterment (including permission to reinter or transport the body disinterred) to be issued upon the written application of the nearest relative or the legal representative of the deceased; and no superintendent or other person in charge of any cemetery in said District, or other place for the disposal of dead bodies, shall assist in, or assent to, or allow any such interment, disinterment,

or disposition to be made in such cemetery or place until permit shall be given as aforesaid. It shall be the duty of every such superintendent or other person who shall receive any such permit aforesaid to indorse thereon the date of interment, disinterment, or disposal, and to preserve, sign, and return the same to the health officer of said District before six o'clock postmeridian of the Saturday following the day of burial, disinterment, or disposal.

SEC. 7. That no dead body, or part of the dead body, of any human being shall be in any manner carried or conveyed from, in, to, or through said District by any person or by means of any boat, vessel, car, stage, or other vehicle, or by any public or private conveyance, without a permit therefor first granted by the health officer of said District: *Provided*, That bodies or parts of dead bodies aforesaid, except such as have died of Asiatic cholera, yellow fever, typhus fever, smallpox (including varioloid), leprosy, the plague, diphtheria, or scarlet fever, may be brought into said District, or carried through the same in transit, upon a permit of the proper municipal, county, or State authorities of the place at which such person died; whenever the remains of any deceased person have been conveyed, transferred, or removed beyond the limits of said District, it shall be the duty of the person or agent or officer of the corporation having charge of such conveyance, transfer, or removal to detach, date, sign, and return to the health officer the coupon attached to the permit by said health officer authorizing such conveyance, transfer, or removal before six o'clock postmeridian of the Saturday following the day of such conveyance, transfer, or removal of said remains.

SEC. 8. That it shall be the duty of any person or persons having custody or control of the dead body of any human being, or any part of such body, to report in writing, or cause to be reported in writing, to the health officer of said District within forty-eight hours after the death of the deceased, the name of said deceased and the location of the body or part thereof; no such body or part thereof shall be kept in said District in such manner as to give rise to any offensive odors to the annoyance of any person or persons in the neighborhood or to the public, nor so as to be exposed to the public view; nor shall any such body or part thereof be permitted by the person or persons having custody or control of it, to remain unburied for a longer period than one week after death without permission of the health officer unless it has been cremated or deposited in the vault of some cemetery; nor shall any person publicly exhibit in said District, for pay or otherwise, any dead body of any human being, or any part of such body, without a permit from the health officer of said District so to do, except such exhibition be in connection with some Government museum or with some institution of learning permanently located in said District.

SEC. 9. That no person shall bury or cause to be buried within said District the body or part of the body of any deceased person, except in such grounds as are now known and used as public or private burial grounds, or such as shall hereafter be designated by the Commissioners of said District and authorized by them to be used as such: *Provided*, That no cemetery shall hereafter be established within one mile and a half of the city of Washington, in the District of Columbia.

SEC. 10. That no body shall be buried in said District in any vault unless the coffin be separately entombed in properly cemented stone or brick work, so as to render such vault air-tight; such vault, after having been sealed, shall not be opened within ten years; no body shall be temporarily deposited in any vault for a longer period than one month, unless such body is in a hermetically sealed metallic case, nor in any instance for a longer period than one year.

SEC. 11. That no grave in said District shall be reopened, except for the purpose of disinterment, within ten years after the burial of a person above twelve years of age, or within eight years after the burial of a child under 12 years of age, unless the grave has been, in the first instance, of sufficient depth to permit subsequent interments, in which case a layer of earth of not less than one foot thick shall be left undisturbed over the previously buried coffin, unless such coffin has been separately entombed in properly cemented stone or brick work; but if on reopening any grave the soil be found to be offensive, such soil shall not be disturbed; in no case shall a grave be opened in which has been buried the body of any person who has died of Asiatic cholera, yellow fever, typhus fever, smallpox (including varioloid), leprosy, the plague, tetanus, diphtheria, or scarlet fever.

SEC. 12. That no coffin shall be buried in said District so that any part thereof is within less than four feet of the ordinary level of the ground, unless it contains the body of a child under twelve years of age, when it shall not be less than three feet below that level.

SEC. 13. That no person shall, in the District of Columbia, build or maintain a crematory or other device for destroying human bodies except within the limits of some duly established cemetery in said District, unless such person or persons has in writing the consent of the owners of more than one-half of the property within a radius of two hundred feet from the place where such crematory is to be erected and

maintained, and a permit from the Commissioners of said District for the erection of and maintenance of such crematory or other device; such permit to be for a term of years, not exceeding five, to be specified therein: *Provided*, That this section shall not apply to such crematories or other devices for destroying human bodies as may have been erected and are in operation at the time of the passage of this act.

SEC. 14. That it shall be unlawful for any person or persons to cremate or otherwise destroy the dead body, or part of the dead body, of any human being in said District before the issue of the burial permit by the health officer of said District, and then only when said permit is countersigned by the coroner of said District authorizing such cremation or destruction. It shall be unlawful for any person or persons to embalm, inject, or by any similar method preserve the dead body or part of the dead body of any human being in said District within four hours after death before the issue of the death certificate; and in case the death is believed to be due to other than natural causes, or the cause thereof is unknown, such embalming, injecting, or preserving shall at no time be done unless such death certificate has been signed or approved by the coroner of said District.

SEC. 15. That any person who shall violate or aid and abet in violating any of the provisions of this act shall, upon conviction thereof by competent judicial authority, be punished for each offense by a fine of not more than two hundred dollars, or by imprisonment for not more than ninety days in the jail of the District of Columbia.

SEC. 16. That prosecutions under this act shall be in the police court of the District of Columbia, in the name of said District, on information signed by the attorney of said District or one of his assistants: *Provided*, That any person or persons tried under this act shall have the privilege, when demanded, of a trial by jury as in other jury cases in said police court.

SEC. 17. That nothing in this act shall be construed to interfere with or prevent the disinterment of any body when such disinterment is ordered by one of the justices of the supreme court of the District of Columbia, or by the coroner of said District, for judicial purposes; the provisions of this act shall not be held to interfere with the disposal of the ashes of bodies which have been cremated.

SEC. 18. That the provisions of this act shall not be applied to prevent the immediate removal of bodies from Graceland Cemetery, as required by "An act to prohibit the interment of bodies in Graceland Cemetery in the District of Columbia," approved August third, eighteen hundred and ninety-four.

SEC. 19. That all acts or parts of acts inconsistent with the provisions of this act be, and the same are hereby, repealed.

Approved, January 25, 1898.

[PUBLIC—No. 8.]

AN ACT to regulate, in the District of Columbia, the disposal of certain refuse, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That it shall be unlawful for any person or persons to maintain, upon any original lot or subdivisional lot, situated on any street in the District of Columbia, where there is a public sewer and water main available for the use of such lot, any system of disposal of human excreta except by means of water-closets connected with such sewer and water main.

SEC. 2. That no privy shall be constructed or maintained in said District, every part of which is not at least five feet from the line of any adjoining lot, two feet from any street or public or private passageway, and ten feet from any building used or intended to be used for dwelling purposes, or wherein persons are employed or intended to be employed in any trade or business; nor within fifty feet of any well or spring used or likely to be used by man as a source of water for drinking or domestic purposes.

SEC. 3. That every privy in said District shall be constructed and maintained in such a manner and position as to afford ready means of access thereto for the purpose of cleaning the same, and to admit of the removal of the contents from the premises whereon such privy is situated to the public street without being carried through any dwelling house or building where persons are employed in any trade or business; and said privy shall be so constructed as to prevent undue exposure of the occupants thereof, and provided with a sufficient opening for ventilation, as near the top as practicable, communicating directly with the external air. The floor thereof shall be paved with some nonabsorbent material, and constructed so that it shall be in every part at a height of not less than four inches above the level of the surface of the surrounding ground and have a fall or incline toward the door of the privy of half an inch to the foot. Said privy shall be provided with a suitable receptacle or suitable covers and be kept closed therewith whenever practicable.

SEC. 4. That whenever any privy in said District is provided with a movable receptacle there shall be constructed over the whole area of the space immediately

beneath the seat of the privy a floor at a height of not less than four inches above the level of the surface of the adjoining ground, said floor and the whole extent of each side of such space between the floor and the seat to be constructed of some nonabsorbent material. The seat, the aperture therein, and the space beneath must be of such dimensions as to admit of the removable receptacle for filth being placed or fitted beneath the seat in such manner and position as may effectually prevent the deposit of any filth elsewhere than in the receptacle. The seat shall be so constructed that the whole or sufficient part of it may be readily removed or adjusted in such a manner as to afford adequate access to the space beneath for the purpose of cleaning the same and removing the receptacle therefrom or placing or fitting it therein. Such receptacle for filth shall not exceed in capacity two cubic feet, and shall be made of metal, water-tight, and provided with handles, and so constructed that it may be closed with a cover and made air-tight at the time of its removal. Such receptacle shall at all times be kept in good repair.

SEC. 5. That whenever any privy in said District is provided with a fixed receptacle, the bottom and floor of said privy shall be in every part at least four inches above the level of the surface of the adjoining ground, and adequate means of access must be provided for the purpose of cleansing the receptacle and removing the filth therefrom. Said receptacle shall not exceed in capacity eight cubic feet, and shall be constructed of such material or materials and in such manner as to prevent any absorption by any part of it of any filth deposited therein or any escape of its contents by leakage or otherwise, except in process of cleaning. Said receptacle shall be maintained at all times in good repair.

SEC. 6. That no person shall, in said District, deposit in any receptacle for filth in any privy any substance except human fecal matter, urine, and liquid house refuse, except for the purpose of disinfecting or deodorizing; and it shall be the duty of the occupant or occupants of any premises on which a privy is located, or, if such premises be unoccupied, of the owner or owners thereof, to keep the same and the contents thereof disinfected and deodorized at all times.

SEC. 7. That no occupant of any premises in said District whereon is situated any privy, or, if such premises be unoccupied, no owner or owners thereof, shall permit the approaches to such privy, the walls, floors, seats, or fittings thereof, to be in such a state or condition as to be a nuisance or annoyance to any person or persons, for want of proper cleansing thereof, nor allow any receptacle for filth used in connection with any privy to be filled within less than four inches of the top thereof.

SEC. 8. That no part of the contents of any privy shall, in said District, be removed therefrom, nor shall the same be transported through or over any streets or highways, except as the same shall be removed and transported by means of some air-tight apparatus, pneumatic or other process, so as to prevent the contents from being agitated or exposed to the open air during the process of such removal or transportation.

SEC. 9. That every building in said District used for dwelling purposes, or where persons are employed or intended to be employed in any trade or business, shall be provided with sufficient and suitable privy accommodations, having regard to the number of persons employed in or in attendance at such building; and also where persons of both sexes are employed or intended to be employed, or in attendance, with sufficient, suitable, and separate privy accommodations for persons of each sex. It shall be unlawful for any owner or agent to put any person or persons in possession of any building, or any part thereof, not provided with privy accommodations as aforesaid, except a watchman for the purpose of guarding such building or part thereof.

SEC. 10. That no person shall, in said District, deposit any human fecal matter in any place except in some properly constructed privy or water-closet, nor shall any person, having removed the contents, or any part thereof, of any privy in the District of Columbia, deposit it in any place other than such as may be approved by the health officer of said District.

SEC. 11. That it shall be unlawful for any person other than such as shall be authorized by the health office of said District to clean for pay any privy therein. Said authority shall be granted by said health officer upon application to any person who is properly equipped as to apparatus and means of disposal for performing the work to be done.

SEC. 12. That no person shall, in said District, erect or maintain a privy without having secured from the health officer of said District a permit so to do. Such permits shall be issued subject to the conditions of this act upon written applications without cost, shall be numbered consecutively, and shall describe the location where each privy is to be maintained.

SEC. 13. That no person shall, in said District, construct or maintain any system of sewage disposal by means of broad irrigation, subsoil irrigation, or otherwise, except upon a permit issued by the Commissioners of said District. Applications for said permit shall be in writing to said Commissioners and shall be accompanied by detailed plans of the system which it is proposed to construct and maintain; and

no permit shall be issued under this section until said Commissioners are satisfied that said system can be maintained without nuisance or danger to public health.

SEC. 14. That any person who shall violate or aid or abet in violating any of the provisions of this act shall be guilty of a misdemeanor, and, upon conviction thereof, be punished by a fine of not more than fifty dollars, or by imprisonment in the jail of the District of Columbia for not exceeding fifteen days.

SEC. 15. That prosecutions under this act shall be in the police court of the District of Columbia, in the name of the District of Columbia, on information signed by the attorney for said District or one of his assistants: *Provided*, That any person or persons tried under this act shall have the privilege, when demanded, of a trial by jury, as in other jury cases in said police court.

SEC. 16. That the term privy, as used in this act, shall be held to mean any building or part of a building used or intended to be used for the reception of human fecal matter or urine, and which is not connected with the public sewer or with some duly authorized system of sewage disposal, so as to immediately remove such material from such building; that the owner or owners of the premises on which any such privy is situated shall be held liable for its erection and maintenance in conformity to law, and for the removal of the contents thereof as may from time to time be necessary; and if such owner or owners can not be found in the District of Columbia a notice of any work required by this act to be done, specifying a reasonable time for the performance thereof, shall be left with the agent of such premises, or if no such agent can be found in said District, such notice shall be mailed to the last known address of such owner or owners; and if the work specified in said notice be not done within the time allowed therein, the Commissioners of the District of Columbia are hereby authorized to cause such work to be done and to assess the cost thereof as a tax against the property benefited, which tax shall be carried on the regular tax roll of the District of Columbia, and shall be collected in the manner provided for the collection of other taxes.

SEC. 17. That this act, in so far as it affects privies hereafter to be erected or existing in said District at the time of its passage, otherwise than in conformity to the laws in force at that time, shall take effect upon its passage; in so far as it affects privies existing in said District at the time of its passage, in conformity to the laws in force at that time, it shall take effect one year after date of said passage.

SEC. 18. That all acts or parts of acts inconsistent with the provisions of this act be, and the same are hereby, repealed.

Approved, January 25, 1896.

[PUBLIC—No. 20.]

AN ACT relating to the adulteration of foods and drugs in the District of Columbia.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That no person shall, within the District of Columbia, by himself or by his servant or agent, or as the servant or agent of any other person, sell, exchange, or deliver, or have in his custody or possession with the intent to sell or exchange, or expose or offer for sale or exchange, any article of food or drug which is adulterated within the meaning of this act.

SEC. 2. That the term "drug," as used in this act, shall include all medicines for external or internal use, antiseptics, disinfectants, and cosmetics. The term "food," as used herein, shall include confectionery, condiments, and all articles used for food or drink by man, and if there be more than one quality of any article of food or drug known by the same name the best quality thereof shall be furnished to the purchaser, unless he otherwise requests at the time of making such purchase, or unless he be notified at such time of the inferior quality of the article delivered.

SEC. 3. That an article shall be deemed to be adulterated within the meaning of this act:

(a) In the case of drugs: First, if, when sold under or by a name recognized in the United States Pharmacopoeia, it differs from the standard of strength, quality, or purity laid down in the edition thereof at the time official; second, if, when sold under or by a name not recognized in the United States Pharmacopoeia, but which is found in the German, French, or English Pharmacopoeia, it differs from the strength, quality, or purity laid down therein; third, if, when sold as a patented medicine, compounded drug, or mixture, it is not composed of all of the ingredients advertised or printed or written on the bottles, wrappers, or labels of or on or with the patented medicine, compounded drug, or mixture: *Provided*, That if the defendant in any prosecution under this act, in respect to the sale of any such patented medicine, compounded drug, or mixture, shall prove to the satisfaction of the court that he had purchased the article in question as the same in nature, substance, and quality as that demanded of him by the purchaser, and with a written warranty to that effect; that he had no reason to believe at the time when he sold it that the

beneath the seat of the privy a floor at a height of not less than four inches above the level of the surface of the adjoining ground, said floor and the whole extent of each side of such space between the floor and the seat to be constructed of some nonabsorbent material. The seat, the aperture therein, and the space beneath must be of such dimensions as to admit of the removable receptacle for filth being placed or fitted beneath the seat in such manner and position as may effectually prevent the deposit of any filth elsewhere than in the receptacle. The seat shall be so constructed that the whole or sufficient part of it may be readily removed or adjusted in such a manner as to afford adequate access to the space beneath for the purpose of cleaning the same and removing the receptacle therefrom or placing or fitting it therein. Such receptacle for filth shall not exceed in capacity two cubic feet, and shall be made of metal, water-tight, and provided with handles, and so constructed that it may be closed with a cover and made air-tight at the time of its removal. Such receptacle shall at all times be kept in good repair.

SEC. 5. That whenever any privy in said District is provided with a fixed receptacle, the bottom and floor of said privy shall be in every part at least four inches above the level of the surface of the adjoining ground, and adequate means of access must be provided for the purpose of cleansing the receptacle and removing the filth therefrom. Said receptacle shall not exceed in capacity eight cubic feet, and shall be constructed of such material or materials and in such manner as to prevent any absorption by any part of it of any filth deposited therein or any escape of its contents by leakage or otherwise, except in process of cleaning. Said receptacle shall be maintained at all times in good repair.

SEC. 6. That no person shall, in said District, deposit in any receptacle for filth in any privy any substance except human fecal matter, urine, and liquid house refuse, except for the purpose of disinfecting or deodorizing; and it shall be the duty of the occupant or occupants of any premises on which a privy is located, or, if such premises be unoccupied, of the owner or owners thereof, to keep the same and the contents thereof disinfected and deodorized at all times.

SEC. 7. That no occupant of any premises in said District whereon is situated any privy, or, if such premises be unoccupied, no owner or owners thereof, shall permit the approaches to such privy, the walls, floors, seats, or fittings thereof, to be in such a state or condition as to be a nuisance or annoyance to any person or persons, for want of proper cleansing thereof, nor allow any receptacle for filth used in connection with any privy to be filled within less than four inches of the top thereof.

SEC. 8. That no part of the contents of any privy shall, in said District, be removed therefrom, nor shall the same be transported through or over any streets or highways, except as the same shall be removed and transported by means of some air-tight apparatus, pneumatic or other process, so as to prevent the contents from being agitated or exposed to the open air during the process of such removal or transportation.

SEC. 9. That every building in said District used for dwelling purposes, or where persons are employed or intended to be employed in any trade or business, shall be provided with sufficient and suitable privy accommodations, having regard to the number of persons employed in or in attendance at such building; and also where persons of both sexes are employed or intended to be employed, or in attendance, with sufficient, suitable, and separate privy accommodations for persons of each sex. It shall be unlawful for any owner or agent to put any person or persons in possession of any building, or any part thereof, not provided with privy accommodations as aforesaid, except a watchman for the purpose of guarding such building or part thereof.

SEC. 10. That no person shall, in said District, deposit any human fecal matter in any place except in some properly constructed privy or water-closet, nor shall any person, having removed the contents, or any part thereof, of any privy in the District of Columbia, deposit it in any place other than such as may be approved by the health officer of said District.

SEC. 11. That it shall be unlawful for any person other than such as shall be authorized by the health office of said District to clean for pay any privy therein. Said authority shall be granted by said health officer upon application to any person who is properly equipped as to apparatus and means of disposal for performing the work to be done.

SEC. 12. That no person shall, in said District, erect or maintain a privy without having secured from the health officer of said District a permit so to do. Such permits shall be issued subject to the conditions of this act upon written applications without cost, shall be numbered consecutively, and shall describe the location where each privy is to be maintained.

SEC. 13. That no person shall, in said District, construct or maintain any system of sewage disposal by means of broad irrigation, subsoil irrigation, or otherwise, except upon a permit issued by the Commissioners of said District. Applications for said permit shall be in writing to said Commissioners and shall be accompanied by detailed plans of the system which it is proposed to construct and maintain; and

no permit shall be issued under this section until said Commissioners are satisfied that said system can be maintained without nuisance or danger to public health.

SEC. 14. That any person who shall violate or aid or abet in violating any of the provisions of this act shall be guilty of a misdemeanor, and, upon conviction thereof, be punished by a fine of not more than fifty dollars, or by imprisonment in the jail of the District of Columbia for not exceeding fifteen days.

SEC. 15. That prosecutions under this act shall be in the police court of the District of Columbia, in the name of the District of Columbia, on information signed by the attorney for said District or one of his assistants: *Provided*, That any person or persons tried under this act shall have the privilege, when demanded, of a trial by jury, as in other jury cases in said police court.

SEC. 16. That the term privy, as used in this act, shall be held to mean any building or part of a building used or intended to be used for the reception of human fecal matter or urine, and which is not connected with the public sewer or with some duly authorized system of sewage disposal, so as to immediately remove such material from such building; that the owner or owners of the premises on which any such privy is situated shall be held liable for its erection and maintenance in conformity to law, and for the removal of the contents thereof as may from time to time be necessary; and if such owner or owners can not be found in the District of Columbia a notice of any work required by this act to be done, specifying a reasonable time for the performance thereof, shall be left with the agent of such premises, or if no such agent can be found in said District, such notice shall be mailed to the last known address of such owner or owners; and if the work specified in said notice be not done within the time allowed therein, the Commissioners of the District of Columbia are hereby authorized to cause such work to be done and to assess the cost thereof as a tax against the property benefited, which tax shall be carried on the regular tax roll of the District of Columbia, and shall be collected in the manner provided for the collection of other taxes.

SEC. 17. That this act, in so far as it affects privies hereafter to be erected or existing in said District at the time of its passage, otherwise than in conformity to the laws in force at that time, shall take effect upon its passage; in so far as it affects privies existing in said District at the time of its passage, in conformity to the laws in force at that time, it shall take effect one year after date of said passage.

SEC. 18. That all acts or parts of acts inconsistent with the provisions of this act be, and the same are hereby, repealed.

Approved, January 25, 1898.

[PUBLIC—No. 20.]

AN ACT relating to the adulteration of foods and drugs in the District of Columbia.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That no person shall, within the District of Columbia, by himself or by his servant or agent, or as the servant or agent of any other person, sell, exchange, or deliver, or have in his custody or possession with the intent to sell or exchange, or expose or offer for sale or exchange, any article of food or drug which is adulterated within the meaning of this act.

SEC. 2. That the term "drug," as used in this act, shall include all medicines for external or internal use, antiseptics, disinfectants, and cosmetics. The term "food," as used herein, shall include confectionery, condiments, and all articles used for food or drink by man, and if there be more than one quality of any article of food or drug known by the same name the best quality thereof shall be furnished to the purchaser, unless he otherwise requests at the time of making such purchase, or unless he be notified at such time of the inferior quality of the article delivered.

SEC. 3. That an article shall be deemed to be adulterated within the meaning of this act:

(a) In the case of drugs: First, if, when sold under or by a name recognized in the United States Pharmacopœia, it differs from the standard of strength, quality, or purity laid down in the edition thereof at the time official; second, if, when sold under or by a name not recognized in the United States Pharmacopœia, but which is found in the German, French, or English Pharmacopœia, it differs from the strength, quality, or purity laid down therein; third, if, when sold as a patented medicine, compounded drug, or mixture, it is not composed of all of the ingredients advertised or printed or written on the bottles, wrappers, or labels of or on or with the patented medicine, compounded drug, or mixture: *Provided*, That if the defendant in any prosecution under this act, in respect to the sale of any such patented medicine, compounded drug, or mixture, shall prove to the satisfaction of the court that he had purchased the article in question as the same in nature, substance, and quality as that demanded of him by the purchaser, and with a written warranty to that effect; that he had no reason to believe at the time when he sold it that the

article was otherwise, and that he sold it in the same state as when he purchased it, he shall be discharged from the prosecution.

(b) In the case of food: First, if any substance or substances have been mixed with it so as to reduce or lower or injuriously affect its quality or strength; second, if an inferior or cheaper substance or substances have been substituted wholly or in part for it; third, if any valuable constituent has been wholly or in part abstracted from it; fourth, if it is an imitation of or is sold under the name of another article; fifth, if it consists wholly or in part of a deceased, decomposed, putrid, or rotten animal or vegetable substance, whether manufactured or not; sixth, if it is colored, coated, polished, or powdered whereby damage is concealed, or if it is made to appear better or of greater value than it really is; seventh, if it contains any added poisonous ingredient or any ingredient which may render it injurious to the health of a person consuming it; eighth, in the case of milk, if it contains less than three and one-half per centum of fat, less than nine per centum of solids not fat, and contains more than eighty-seven and one-half per centum of water; in the case of cream, if it contains less than twenty per centum of butter fat; ninth, in the case of butter or cheese, if it is not made exclusively from milk or cream, or both, with or without common salt; the butter, if it contains more than twelve per centum of water, more than five per centum of salt, and less than eighty-three per centum of fat; tenth, in the case of coffee, if it is not composed entirely of the seed of the *Coffea arabica*; eleventh, in the case of lard, if it is not made exclusively from the rendered fat of the healthy hog; twelfth, in the case of tea, if it is not composed entirely of the genuine leaf of the tea plant not exhausted; thirteenth, in the case of all kinds of vinegar, if it contains an acidity equivalent to the presence of less than four per centum of absolute acetic acid; and cider vinegar, if it is not made from the pure apple juice and contains less than one and five-tenths per centum of total solids; fourteenth, in the case of cider, if it is not made from the legitimate product of pure apple juice; in the case of wines and fruit juices, if not made from the pure fruit as represented; and in the case of cider, wines, fruit juices, and malt liquors, if not free from salicylic acid or other preservatives; and in the case of malt liquors, if not free from picric acid, *coculus indicus*, *colchicine*, *colocynth*, *aloes*, and *wormwood*; fifteenth, in the case of glucose, if it contains more than five one-hundredths per centum of ash; sixteenth, in the case of flour, if it is not composed entirely of one single ground cereal; seventeenth, in the case of bread, if there is any addition of alum, sulphate of copper, borax, or sulphate of zinc, or other poisonous or harmful ingredient, and if it contains more than thirty-one per centum of moisture, more than two per centum of ash, and less than six and twenty-five one-hundredths per centum of albuminoids; eighteenth, in the case of olive oil, if it is not made exclusively from the olive berry (*Olea europæa*), and its specific gravity at fifteen and six-tenths degrees centigrade (sixty degrees Fahrenheit) "actual density" to be not more than nine hundred and seventeen one-thousandths nor less than nine hundred and fourteenth one-thousandths: *Provided*, That an offense shall not be deemed to be committed under this section in the following cases, that is to say, first, where the order calls for an article of food or drug inferior to such standard, or where such difference is made known by being plainly written or printed on the package; second, where the article of food or drug is mixed with any matter or ingredient not injurious to health and not intended fraudulently to increase its bulk, weight, or measure or conceal its inferior quality, if at the time such article is delivered to the purchaser it is made known to him that such article of food or drug is so mixed.

SEC. 4. That it shall be the duty of the health officer of the District of Columbia, under the direction of the Commissioners of said District, to adopt such measures as may be necessary to facilitate the enforcement hereof, and prepare rules and regulations with regard to the proper method of collecting and examining drugs and articles of food in said District.

SEC. 5. That it shall be the duty of the health officer to investigate a complaint for a violation of any of the provisions of this act on the information of any person who lays before him satisfactory evidence by which to substantiate such complaint.

SEC. 6. That every person offering for sale or delivering to any purchaser any drug or article of food included in the provisions of this act shall furnish to any analyst or other officer or agent of the health department, who shall apply to him for the purpose and shall tender him the value of the same, a sample sufficient for the purpose of analysis of any such drug or article of food which is in his possession.

SEC. 7. That in all cases where any drug or article of food shall be taken as a sample to be examined and analyzed the person making the analysis shall reserve a portion of the sample, which shall be sealed, for a period of thirty days from the time of taking such sample, and in case of a complaint the reserved portion alleged to be adulterated shall, upon application, be delivered to the defendant or his attorney.

SEC. 8. That no person shall hinder, obstruct, or in any way interfere with any inspector, analyst, or other person of the health department in the performance of his duty in carrying out the provisions of this act.

SEC. 9. That all prosecutions under this act shall be in the police court of said District, on information brought in the name of the District of Columbia, and on its behalf; and any person or persons violating any of the provisions of this act shall be deemed guilty of a misdemeanor, and upon conviction shall be punished by a fine of not less than five dollars nor more than one hundred dollars.

SEC. 10. That all acts and parts of acts inconsistent with this act be, and the same are hereby, repealed: *Provided*, That nothing in this act contained shall be construed as modifying or repealing any of the provisions of "An act defining butter, also imposing a tax upon and regulating the manufacture, sale, importation, and exportation of oleomargarine," approved August second, eighteen hundred and eighty-six, or of "An act defining cheese, and also imposing a tax upon and regulating the manufacture, sale, importation and exportation of 'filled cheese,'" approved June sixth, eighteen hundred and ninety-six.

Approved, February 17, 1898.

[PUBLIC—No. 81.]

AN ACT to prevent the adulteration of candy in the District of Columbia.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That no person or corporation shall, by himself, his servant, or agent, or as the servant or agent of any other person or corporation, manufacture for sale or knowingly sell or offer to sell any candy adulterated by the admixture of terra alba, barytes, talc, or any other mineral substance, by poisonous colors or flavors, or other ingredients deleterious or detrimental to health.

SEC. 2. That any person or corporation convicted of violating any of the provisions of this act shall be punished by a fine not exceeding one hundred dollars. The candy so adulterated shall be forfeited and destroyed under the direction of the court.

SEC. 3. That it is hereby made the duty of the prosecuting attorneys of the District of Columbia to appear for the people and to attend to the prosecution of all complaints under this act in all the courts of said District.

SEC. 4. That this act shall take effect upon its passage.

Approved, May 5, 1898.



APPENDIX E.

LIST OF PHYSICIANS ENTITLED TO PRACTICE IN THE DISTRICT OF COLUMBIA, NOVEMBER, 1898.

Name.	Address.	Name.	Address.
Abbott, Griffith E.	101 16th st. NW.	Beche, William B.	1225 F st. NW.
Adair, George N.	634 Massachusetts ave.	Behrend, Adajah	1214 K st. NW.
Adams, Arthur C.	N.E.	Behrend, Edwin B.	1214 K st. NW.
Adams, J. Lee	Takoma Park, D. C.	Bedt, Edward O.	922 17th st. NW.
Adams, James	507 N st. NW.	Bennett, Harrison M.	Takoma Park, D. C.
Adams, Samuel S.	1 Dupont circle.	Bennett, Matland C.	1728 8th st. NW.
Ainsworth, I. C.	Revere and Pension	Bennitt, William W.	1423 S st. NW.
	Det. War Dept.	Benson, Elbert G.	824 5th st. NE.
Alderman, Ashael E.	Langdon, D. C.	Beresford, Galsworthy	936 F st. NW.
Alderman, Zeane W.	221 New Jersey ave.	G.	
Alleger, Walter W.	449 T st. NW.	Bermann, Isidor	1010 I st. NW.
Allen, Charles	3226 G st. NW.	Bevard, William A.	1313 14th st. NW.
Allen, Charles L.	908 15th st. NW.	Bever, William D.	1420 11th st. NW.
Allen, Elijah H.	230 L st. NW.	Billard, Jules F.	Laurel, Md.
Allen, H. Jerome	421 E st. NE.	Bird, James C.	812 8th st. NE.
Allen, Jacob S.	606 G st. NE.	Birdsall, Charles W.	1256 31st st. NW.
Anderson, Joseph W.	1912 12th st. NW.	Bishop, Francis B.	1913 I st. NW.
Anderson, T. G.	1004 E st. NW.	Blackburn, Isaac W.	Government Hospital for the Insane.
Appleby, James F. E.	1430 13rd st. NW.	Blake, Levi C.	237 8th st. NE.
Armstrong, Wm. J.	1306 Lydecker ave.	Blake, Louisa M.	237 8th st. NE.
Arnold, John S.	24 2d NE.	Bliss, Charles L.	1106 New York ave. NW.
Arwine, James T.	716 44 st. SW.	Bliss, James E.	604 H st. NE.
Ashford, Bailey R.	1745 P st. NW.	Boarman, Charles V.	1104 Maryland ave. SW.
Atkinson, Wade H.	707 12th st. NW.	Bogan, Fred. Macon.	421 G st. NW.
Atwell, John R.	Eastern Dispensary.	Bogan, Samuel W.	421 G st. NW.
Atwood, Oliver M.	1526 L st. NW.	Bond, Samuel S.	618 New Jersey ave. NW.
Ayres, William W.	1790 Q st. NW.	Boer, Rufus D.	
Babbitt, Zeno B.	12 Iowa circle.	Boeswell, Archie W.	607 9th st. NE.
Baggett, John B.	1929 16th st. NW.	Boteler, William C.	817 15th st. NW.
Bailey, Grafton D. P.	222 4 st. NW.	Bovee, J. Wesley.	1404 H st. NW.
Bailey, Henry L.	1924 11th st. NW.	Bowen, Charles H.	607 Massachusetts ave. NW.
Bailey, T. B., U. S. N.	Navy-Yard.	Bowen, William S.	1228 16th st. NW.
Baker, Frank	1804 Columbia road.	Boyd, George W.	121 2d st. NE.
Baker, Leigh Y.	916 14th st. NW.	Boyle, Frank C.	1939 9th st. NW.
Baker, May D.	1434 S st. NW.	Brackett, John E.	1310 Rhode Island ave.
Baker, Robert W.	816 17th st. NW.	Braden, Francis W.	719 East Capitol st.
Baker, Willie W.	916 S st. NW.	Bradfield, Jefferson D.	1533 North Capitol st.
Baldus, William T.	2144 Pennsylvania ave. NW.	Branson, Joseph H.	1231 New Jersey ave. NW.
Baldwin, Aaron	1205 11th st. NW.	Brayshaw, J. Lacey	Bennings, D. C.
Baldwin, Mosby	1602 Rhode Island ave.	Brownwell, Josiah K.	1147 Connecticut ave. NW.
Ball, Charles A.	233 G st. NW.	Bronson, Charles E.	2434 Pennsylvania ave. NW.
Balloch, Edward A.	1013 15th st. NW.	Brooks, Floyd V.	405 Florida ave. NW.
Banes, Hiram J.	119 E st. NW.	Brooks, J. Henry	Brookland, D. C.
Barber, James M.	918 E st. NW.	Brooks, John Doshier	Brookland, D. C.
Barbour, Frank A.	1327 12th st. NE.	Brooks, Phil. B.	320 3d st. NW.
Barker, Howard H.	1116 H st. NW.	Brosius, Mary Alice.	1101 K st. NW.
Barnes, Noble P.	134 6th st. NE.	Brown, Charles W.	902 14th st. NW.
Barrie, George	1629 14th st. NW.	Brown, Robert W.	1234 R st. NW.
Barrington, Richard L.	3514 N st. NW.	Bruckheimer, Moses.	617 6th st. NW.
Barry, Edmund	214 2d st. SE.	Brumbaugh, Gains M.	904 Massachusetts ave. NW.
Barstow, John P.	1246 H st. NE.	Brummett, Randolph B.	103 5th st. NE.
Barstow, Edward C.	712 East Capitol st.	Bruner, James F.	647 East Capitol st.
Barstow, Kate D.	712 East Capitol st.	Bryan, Joseph H.	818 17th st. NW.
Barton, Wilfred M.	336 B st. NE.	Bulkley, John W.	1723 N st. NW.
Battle, Lewis J.	201 C st. NW.	Bunnemeyer, Bernard.	1493 U st. NW.
Bayne, John W.	116 2d st. SE.	Burch, W. Thompson.	922 14th st. NW.
Beall, Benjamin M.	800 5th st. NE.	Burke, Francis E.	
Beattie, Wray	910 East Capitol st.	Burke, Thomas W.	800 L st. NW.
Beatty, Louis Kelley	610 East Capitol st.		
Beatty, Walter K.	610 East Capitol st.		
Beckett, George M.	1911 6th st. NW.		
Beckley, E. R.	2516 7th st. NW.		

List of physicians entitled to practice in the District of Columbia, November, 1898—Cont'd.

Name.	Address.	Name.	Address.
Burnett, Swan M.....	916 Farragut square.	Cowden, J. Morrow.....	715 13th st. NW.
Burritt, Alice.....	1129 14th st. NW.	Cox, S. Clifford.....	
Burritt, Martha Clark.....	313 5th st. SE.	Crittenden, Thomas B.....	928 New York ave. NW.
Burton, George C.....	810 H st. N.E.	Crociechia, Antoine.....	1708 M st. NW.
Burwell, John P.....	904 14th st. NW.	Crook, Harrison.....	918 14th st. NW.
Busey, Samuel C.....	1545 I st. NW.	Crosson, Henry J.....	819 14th st. NW.
Bush, W. J.....	1204 R st. NW.	Crowe, John W.....	2805 M st. NW.
Butler, William K.....	1207 N st. NW.	Crush, Alice S.....	712 8th st. NW.
Byrne, Patrick J.....	234 N st. NW.	Crusor, Collin B.....	1331 28th st. NW.
Byrne, Walter C.....	Elmira, N. Y.	Cummissey, Edw. F.....	441 7th st. SW.
Byrne, William F.....	35 B st. S. E.	Currier, George R.....	3320 13th st. NW.
Cabanias, George W.....	1906 K st. NW.	Custis, George W. N.....	112 East Capitol st.
Caldwell, Charles T.....	949 S st. NW.	Custis, J. B. Gregg.....	110 East Capitol st.
Caldwell, William A.....	814 I st. NW.	Custis, Marvin A.....	634 East Capitol st.
Callan, Cornelius V. N.....	1422 F st. NW.	Cuthbert, Middleton F.....	1462 Rhode Island ave.
Calvert, Finley H.....		Czarra, Sigmund A.....	619 Pennsylvania ave.
Cameron, Malcolm.....	1027 22d st. NW.		NW.
Camp, Herbert M.....	Tacoma Park, D. C.	Danforth, Roderick F.....	919 12th st. NW.
Campbell, Charles B.....	404 M st. NW.	Daniel, Robert A.....	715 5th st. NW.
Campbell, Thomas B.....		Daniels, Uriah J.....	2025 L st. NW.
Cannon, Walter D.....	102 B st. NE.	Darby, John J.....	311 A st. NE.
Capehart, Baldy A.....	1814 H st. NW.	Darling, Henry.....	Brightwood, D. C.
Cardozo, Francis J.....	301 2d st. SW.	Darrah, Austin A.....	9 11th st. NE.
Carlisle, George M.....	229 Indiana ave.	Davidson, Edward Y.....	154 E st. NE.
Carman, Louis D.....	1351 Q st. NW.	Davidson, Falconer.....	204 Pennsylvania ave.
Carmichael, Randolph B.....	723 18th st. NW.		SE.
Carpenter, John E.....	1123 5th st. NW.	Davis, Carrie C.....	1434 S st. NW.
Carr, William P.....	1418 L st. NW.	Davis, Charles A.....	1010 15th st. NW.
Carragher, John V.....	812 E st. SE.	Davis, Daniel G.....	1424 New York ave. NW.
Carroll, James.....	Army Medical Museum.	Davis, Llewellyn F.....	1108 New York ave. NW.
Carroll, James J.....	1322 13th st. NW.	Dawson, Charles F.....	1118 Virginia ave. SW.
Carroll, Robert L.....	948 R st. NW.	Day, Geo. Frank.....	913 Rhode Island ave.
Carter, Durus D.....	1202 Q st. NW.		NW.
Carter, E. C.....	1814 G st. NW.	Deale, Henry B.....	1224 14th st. NW.
Carter, Marion B.....	1120 9th st. NW.	De Carré, Alfred.....	Brightwood, D. C.
Chadwick, De Witt C.....	61 I st. NW.	Deeble, Horace M.....	602 M st. NW.
Chamberlin, Frank T.....	228 New Jersey ave.	Demarest, Cornelius L.....	644 East Capitol st.
	SE.	Dennison, Ira W.....	1326 L st. NW.
Chappell, John W.....	222 Albanytown, D. C.	Devereux, J. Ryan.....	1724 S st. NW.
Chaw, Francis M.....	1203 Q st. NW.	Dillenbach, William J.....	1340 R st. NW.
Chew, Thomas I.....	226 E. Capitol st.	Dixon, Henry M.....	2149 Pennsylvania ave.
Childs, Creed W.....	513 3d st. SW.		NW.
Choate, Rufus.....	3267 O st. NW.	Dobson, Hervie A.....	100 11th st. NE.
Church, James R.....	1308 H st. NW.	Dobson, William H.....	100 11th st. NE.
Clark, George C.....	321 East Capitol st.	Dolan, Patrick V.....	1408 11th st. NW.
Clark, James J.....		Donohue, Florence.....	1134 8th st. NW.
Clark, John Alex.....	Garfield Hospital.	Dooley, Francis X.....	1627 14th st. NW.
Clark, Taliaferro.....	Marine-Hospital Service.	Dorsey, John S.....	1415 P st. NW.
Clayton, James G.....	1900 Vermont ave.	Douglas, Alanson S.....	631 G st. NE.
Clayton, Thomas A.....	5 Dupont circle.	Douglas, James F.....	19 5th st. NE.
Clemens, James E.....	714 13th st. NW.	Douglas, Robert.....	936 F st. NW.
Clemons, Carl Anson.....	1443 Corcoran st. NW.	Dowling, Thomas, Jr.....	614 E st. NW.
Clemons, Phineas H.....	629 Florida ave. NE.	Drane, Frank C.....	Takoma Park, D. C.
Coblentz, Horace B.....	467 Florida ave. NW.	Drenford, George.....	Clayton, Kent Co., Del.
Coe, Anton.....	1110 F st. NW.	Drury, George A.....	605 Florida ave. NW.
Coffron, Willard H.....		Dubose, George P.....	2903 Q st. NW.
Cole, Arthur B.....	1541 M st. NW.	Duffey, Hugh C.....	1251 9th st. NW.
Cole, George R. L.....	424 7th st. SW.	Dufour, Clarence R.....	1016 14th st. NW.
Cole, John T.....	907 H st. NE.	Dulaney, Joshua L.....	926 I st. NW.
Coleman, Horace.....	1107 Massachusetts ave.	Dumas, Michael O.....	1234 4th st. NW.
	NW.	Dunn, Henry A.....	901 U st. NW.
Collins, Albert R.....	468 E st. SW.	Dye, Hobart S.....	1400 K st. NW.
Collins, Charles R.....	1125 14th st. NW.	Dyrenforth, Robert G.....	1503 Rhode Island ave.
Collins, Edward J.....	823 11th st. NE.		NW.
Collins, John F.....	1305 3d st. NE.	Eaton, Parley H.....	1318 T st. NW.
Compton, William P.....	The Albany.	Eddy, Otis J.....	1215 Rhode Island ave.
Connell, George E.....	3230 N st. NW.	Edmonston, Raphael A.....	521 3d st. NW.
Conner, William H.....	1130 22d st. NW.	Eggleston, James D.....	2716 14th st. NW.
Cook, Elmore A. A.....	736 4th st. SE.	Eggleston, George W.....	NE cor. 1st st. and New
Cook, George W.....	3 Thomas circle.		York ave NW.
Cooke, Robert R.....	Washington, Fayette	Elgin, William F.....	
	County, Ohio.	Eliot, J. Llewellyn.....	1106 P st. NW.
Coolidge, Augustus B.....	1113 G st. NW.	Eliot, Johnson.....	1417 N st. NW.
Corbin, William E.....	1005 23d st. NW.	Elliot, Charles S.....	325 East Capitol st.
Corey, George B.....	938 K st. NW.	Elliot, Jerre B.....	
Corey, Waterman F.....	1305 R st. NW.	Elliot, Henry R.....	
Cornish, Mabel.....	225 1st st. SE.	Ellis, Hannah C.....	1113 G st. NW.
Coumbe, Arthur G.....		Ellis, Joseph C.....	1113 G st. NW.
Coumbe, Oscar H.....	1312 9th st. NW.	Ellyson, Robert M.....	1535 8th st. NW.
		Emmons, Charles Mo.....	1019 G st. SE.

List of physicians entitled to practice in the District of Columbia, November, 1898—Cont'd.

Name.	Address.	Name.	Address.
English, Charles H	1107 G st NW.	Goodman, William R	1219 10th st. NW.
Erbach, Annelie	122 3d st. SE.	Gosling, Henry L	3209 17th st. NW.
Eslin, James T	901 S st. NW.	Gracy, George W	
Evans, Albert W	1221 11th st. NW.	Graham, Neil F	909 New York ave. NW.
Evans, Warwick	1105 9th st. NW.	Graham, Robert H	303 H st. NW.
Evans, Wilson B	1926 12th st NW.	Graham, James F	611 Whitney ave.
Eversfield, Wm. O	College Park, Md.	Grandfield Charles P	1951 Harewood ave. NW.
Ezdorf, Rudolf H. von	918 N st. NW.	Gray, Clarence A	622 O st. N. W.
Fadley, George B	921 F st. NW.	Greene, Lawrence M	2018 2d st. NW.
Falconer, Bolivar L	1509 Rhode Island ave. NW.	Green, Louis S	1610 I st. NW.
Fales, Warren D	915 L st. NW.	Greenleaf, Harry S	1330 30th st. N. W.
Farly, James M	907 N st. NW.	Griffin, Thomas A	320 C st. SE.
Featherstonhaugh, Thomas	114 Maryland ave. NE.	Griffith, Michael J	656 L st. NE.
Fenwick, George P	504 6th st. SW.	Griffith, Monte	2006 14th st. NW.
Ferguson, Charles E	413 L st. NW.	Grinder, George W	923 9th st. NW.
Ferguson, Thomas M		Groce, Henry R	
Filler, Charles W	1708 Q st. NW.	Groce, S. Marie	
Finley, Clara B	1339 T st. NW.	Groot, Simon I	924 New York ave. NW.
Fishblat, Albert S	Oxford Hotel.	Groover, Thomas A	Garfield Hospital.
Fisher, George W	112 Jackson st., Anacostia, D. C.	Gruel, Louis T	12th and F sts. NW.
Fisher, Wm. N	Childrens' Hospital.	Grunwell, Alfred G	1515 30th st. NW.
Ford, J. Herbert	314 2d st. SE.	Guss, Harry T	1406 Binney st. NW.
Ford, William C		Gwynn, Oscar J	
Foster, George W	Government Hospital for Insane.	Haas, Carlton D	1473 Kenesaw ave.
Foster, Romulus A	2029 Q st. NW.	Hagner, Charles E	1744 M st. NW.
Foster, Warren W	1313 14th st. NW.	Hagner, Francis R	1744 M st. NW.
Fowler, Ernest W	404 M st. NW.	Hall, Arthur J	811 13th st. NW.
Fowler, William C	1141 5th st. NW.	Hall, J. Mitchell	1512 L st. NW.
Fox, George L	121 6th st. NE.	Hall, Julia R	Howard University.
Fox, William H	1826 Jefferson place.	Hall, W. R	1520 Connecticut ave.
Foy, A. Frances	Hampton, Va.	Hamilton, James R	1327 Q st. NW.
Francis, John R	2112 Pennsylvania ave.	Hamilton, Richard T	2356 6th st. NW.
Frankland, W. Ashby	916 8th st. NW.	Hammett, Charles M	644 F st. SW.
Franzoni, Charles W	605 I st. NW.	Hammett, Chas. M., Jr	1328 New York ave. NW.
Freer, James A	1523 I st. NW.	Hammond, Thos. V	1713 H st. NW.
Freeze, Harris H	510 7th st. NE.	Hammond, William A	13th and Princeton sts.
French, Leigh H	825 Vermont ave.	Hance, Theodore F	Pension Office.
French, William B	506 East Capitol st.	Hancock, Eugene Thos	713 14th st. NW.
Friederich, Leon L	329 East Capitol st.	Handy, William E	218 2d st. SE.
Frost, Ellis F	513 6th st. NW.	Hannon, Samuel L	
Frost, John W		Hansmann, Theodore	1310 I st. NW.
Fry, Henry D	1133 14th st. NW.	Hardesty, Joseph R. L	1733 Riggs place NW.
Gaines, Richard L	2243 Brightwood ave.	Harding, Gena R	The Shoreham.
Gallagher, Matilda J	112 4th st. SE.	Harding, Harry T	2650 14th st. NW.
Gallagher, Michael P	900 K st. NW.	Harding, Ralph A	2142 I st. NW.
Gallagher, Patrick J	321 5th st. SE.	Hardin, B. L	
Gardner, Franklin A	1018 14th st. NW.	Harmer, James B	
Gardner, Joseph N	Baltimore, Md.	Harrison, Charles S	1916 11th st. NW.
Garrison, Fielding H	1427 R st. NW.	Harrison, Herbert A	
Garthwaite, Isaac S	467 Florida ave. NW.	Harrison, James S	
Garvin, Mary J	Hotel La Petra.	Harrison, John S	200 Monroe st., Anacostia, D. C.
Gatchell, William F	604 E st. NE.	Harrison, Julia C	The Cairo.
Geddes, William	1719 G st. NW.	Hart, James W	518 B st. NE.
Geddings, R. M	Woodley Inn.	Hartsock, Fredk. M	610 B st. NE.
Gehring, Gustave P	623 F st. NW.	Harvey, Heber McK	1142 7th st. NW.
Gentsch, Daniel C	226 I st. NW.	Harvey, Levin A	
Gibbs, Benjamin E	234 14th st. NW.	Hasbrouck, Edwin M	
Gibbs, Thomas F	935 Rhode Island ave.	Haskins, Henry W	1622 Vermont ave. NW.
Gilbert, Charles B	1403 H st. NW.	Haslup, Isabel	1513 R st. NW.
Gilbert, C. Evelyn	455 Missouri ave. NW.	Havener, George C	Anacostia, D. C.
Gill, William T	505 O st. NW.	Hawkes, William H	734 17th st. NW.
Gillette, Hubbard	Corner 13th and V sts. NW.	Hawxhurst, Howard H	1333 L st. NW.
Gilliland, Orange C	622 11th st. NE.	Hayes, Henry L	113 1st st. NE.
Gladmon, Edwin		Hayes, J. Robert	46 C st. NE.
Glazebrook, Larkin W	2022 P st. NW.	Haynes, Henry M	1347 Q st. NW.
Gleeson, James K. P	1316 R st. NW.	Hazen, David H	407 6th st. SW.
Gobrecht, William H	905 M st. NW.	Hazen, William P. C	511 East Capitol st.
Godding, William W	Government Hospital for the Insane.	Heiberger, Ida J	722 18th st. NW.
Godfrey, Carlos E	728 4th st. SE.	Heinecke, George B	804 11th st. NW.
Godfrey, George M	Indian Head, Md.	Heiser, William H	1108 H st. NE.
Goines, William H	506 P st. NW.	Heitmuller, George H	1309 14th st. NW.
Goldsborough, Edmund K.	1331 K st. NW.	Heller, Joseph M	901 M st. NW.
Goodall, Henry S		Helton, Addison S	252 9th st. NE.
		Henderson, George	817 T st. NW.
		Hensley, James T	405 9th st. NE.
		Hepburn, James H	1101 F st. NW.
		Herbert, James W	703 D st. SE.
		Herbert, Joseph Wells	205 H st. NW.
		Herdlika, Charles V	505 2d st. SE.

List of physicians entitled to practice in the District of Columbia, November, 1898—Cont'd.

Name.	Address.	Name.	Address.
Heron, George H.	1016 9th st. N.W.	Jordan, Arthur.	2026 H st. N.W.
Heron, William H.	1016 9th st. N.W.	Jordan, Charles M.	604 11th st. N.W.
Hickling, D. Percy.	232 3d st. N.W.	Jordan, Llewellyn.	2026 H st. N.W.
Higgins, Raymond P.		Jony, Joseph.	2218 Pennsylvania ave.
Hill, Richard S.	Marlboro, Md.	Julihn, Magnus L.	1423 5th st. N.W.
Hislop, Margaret.		Jung, Franz A. R.	825 Vermont ave.
Hodge, Edwin R.	1920 H st. N.W.	Jung, Sofie A. Nordhoff.	825 Vermont ave.
Hodges, J. Walter.	201 2d st. S.E.	Junghans, John H.	608 P st. N.W. or 609 3d st. N.E.
Hodgson, Charles S.	514 N st. N.W.	Kalusowski, Henry E.	471 Pennsylvania ave. N.W.
Hoffman, Walter J.	222 E st. N.W.	Karlsoe, Wilhelm J.	821 17th st. N.W.
Holden, Cora M.	2811 14th st. N.W.	Keech, Thomas A. R.	424 East Capitol st.
Holden, Raymond T.	802 6th st. S.W.	Keenan, John F.	United States Pension Bureau.
Hollifield, Horatio B.	1850 5th st. N.W.		
Holmes, Charles.	1908 13th st. N.W.	Kehrer, Augustus B.	1312 13th st. N.W.
Holt, Warner.	322 C st. N.W.	Kelley, John T., jr.	1635 19th st. N.W.
Hood, Thomas B.	1009 O st. N.W.	Kelly, Daniel J.	
Hooe, A. Barnes.	520 13th st. N.W.	Kempter, J. Edmund.	
Hopkins, Charles J.	Baltimore, Md.	Kennard, G. Howard.	
Hopkins, J. Milton.		Kerr, James.	1711 H st. N.W.
Hord, William T., jr.	1702 19th st. N.W.	Keyes, Charles W.	1108 5th st. N.W.
Hore, Cassius W.		Keyser, Carl S.	2019 Massachusetts ave. N.W.
Horigan, William D.	2426 Pennsylvania ave. N.W.	Kimball, Ephraim G.	1204 Massachusetts ave. N.W.
Hoskins, James T.	1300 South Capitol st.	King, Albert F. A.	1315 Massachusetts ave. N.W.
Hough, J. Spencer.	511 Spruce st.		
Housel, Firman.	352 11th st. S.E.	King, Ernest F.	1422 K st. N.W.
Houston, Sam.	1411 10th st. N.W.	King, William R.	711 East Capitol st.
Howard, Arcturus Lee.	1126 9th st. N.W.	Kingsman, Richard.	1936 5th st. N.W.
Howard, James H.	350 Pomeroy st. N.W.	Kinnan, William A.	1458 Stoughton st.
Howard, Joseph T.	1126 9th st. N.W.	Kinyoun, J. J.	641 4th st. N.E.
Howe, Orwin E.	224 G st. S.W.	Kirby, Edmund W.	3048 N st. N.W.
Howell, Arnold G.	825 Vermont ave.	Kleinschmidt, Carl H. A.	
Howland, George T.		Klemm, John W.	1332 New York ave. N.W.
Hubbell, Wm. Wheeler.	651 H st. N.E.	Kline, William J. K.	128 10th st. N.E.
Hughes, William D.	1521 Madison st. N.W.	Klinapp, Herbert D.	1819 Q st. N.W.
Hughes, Wm. H., jr.	Brookland, D. C.	Kober, George M.	331 1 st. N.W.
Hunt, Henry J.	59 Myrtle st. N.E.	Kolijnski, Louis.	601 2d st. N.W.
Hunt, Presley C.	2015 N st. N.W.	Koonce, Howard.	630 M st. N.W.
Hunter, Montgomery.	1232 31st st. N.W.	Koonce, Charles K.	644 A st. S.E.
Hunter, Joseph R.		Kramer, Thomas B.	915 16th st. N.W.
Hurt, Harry.	1510 H st. N.W.	Krogstad, Henry.	3142 P st. N.W.
Hutchinson, Mahlon.	720 14th st. N.W.	Kurtz, John.	1105 G st. N.W.
Hyatt, Frank.	1022 14th st. N.W.	La Petra, Linnaus E.	1105 G st. N.W.
Ingram, Thomas D.	The Buckingham.	Lamb, Daniel S.	800 10th st. N.W.
Israeli, Baruch.		Lamb, J. Melvin.	906 G st. N.W.
Jack, William A., jr.	1820 16th st. N.W.	Lamb, Robert Scott.	800 10th st. N.W.
Jackson, Albert L.	Brookland, D. C.	Landers, Thomas.	1000 H st. N.W.
Jackson, Elmer E.	1924 6th st. N.W.	Lane, David A.	726 8th st. N.E.
Jackson, Virgil B.	809 13th st. N.W.	Laney, Frank P.	83 Deities st. N.W.
Jaisohn, Philip.	The Stratford, 14th st. and Sheridan ave.	Lang, Charles J.	1003 East Capitol st.
James, Charles H.	109 C st. S.E.	Latimer, Charles H.	Government Hospital for the Insane.
Jamison, Albion B.	3069 School st. N.W.		
Jarvis, G. L. Bowne.	1510 H st. N.W.	Latimer, George.	1236 New York ave. N.W.
Jenkins, Ralph.	1732 Massachusetts ave. N.W.	Lawrence, Albert L.	1307 14th st. N.W.
Jenner, Norman R.	1731 12th st. N.W.	Laws, James.	1830 I st. N.W.
Johnson, Albert E.	117 B st. S.E.	Leadley, George W.	618 9th st. N.E.
Johnson, Charles R.	1224 13th st. N.W.	Leatherman, Marshall E.	1415 Q st. N.W.
Johnson, Frank G.	1219 Maryland ave. N.E.		
Johnson, Henry A.	1334 8th st. N.W.	Lee, Adelbert H.	1403 H st. N.E.
Johnson, Henry L. E.	1402 L st. N.W.	Lee, George H.	1620 15th st. N.W.
Johnson, J. Russell.	1205 Q st. N.W.	Lee, Thacker E.	1322 14th st. N.W.
Johnson, John N.	1217 Linden st. N.E.	Leech, D. Olin.	631 Maryland ave. N.E.
Johnson, Joseph Taber.	1728 K st.	Leech, Frank.	1715 14th st. N.W.
Johnson, Lincoln.	1215 Rhode Island ave. N.W.	Le Merle, E. L.	1507 8th st. N.W.
Johnson, Louis A.	709 C st. S.W.	Lemon, Hanson T. A.	629 G st. S.W.
Johnson, Sidney L.	819 New Jersey ave. N.W.	Lemon, Loucase N.	929 F st. N.W.
Johnson, Wallace.	SW. cor. 15th & W sts. N.W.	Lewis, Duff G.	1311 14th st. N.W.
Johnston, Gabriel F.	1762 N st. N.W.	Lewis, John L.	
Johnston, George W.	1437 L st. N.W.	Lewis, Samuel E.	1418 14th st. N.W.
Johnston, William W.	1603 K st. N.W.	Lewis, William L.	Kensington, Md.
Johnstone, Robert B.		Little, John J.	1511 E st. N.W.
Jolley, Bushrod B.	1909 Vermont ave.	Little, Joseph W.	1313 14th st. N.W.
Jones, Eugene.	2816 P st. N.W.	Littlewood, James B.	415 B st. N.E.
Jones, John E.	1213 O st. N.W.	Lochboeher, George J.	55 K st. N.W.
		Long, William.	2135 K st. N.W.

List of physicians entitled to practice in the District of Columbia, November, 1898—Cont'd.

Name.	Address.	Name.	Address.
Lopp, William Henry.....	906 K st. NW.	Maxcy, Frederick E.....	1118 Rhode Island ave. NW.
Loring, Francis B.....	1420 K st. NW.	Mayer, Robert D.....	1512 32d st. NW.
Lothrop, Edwin S.....	807 East Capitol st.	Mayfield, Clifton.....	1335 30th st. NW.
Lovejoy, James W. H.....	900 12th st. NW.	Mazzei, Frank A.....	110 C st. NW.
Lowe, Horace M.....	927 E st. NE.	Mead, Theodore.....	808 22d st. NW.
Lozier, Kate E.....	1516 T st. NW.	Medford, Homer S.....	138 C st. NE.
Luce, Charles R.....	215 2d st. SE.	Mellott, Samuel W.....	930 F st. NW.
Lucey, William A.....	457 N st. NW.	Menocal, Oscar A.....	1110 Connecticut ave.
Luckett, Llewellyn F.....	1419 Rhode Island ave. NW.	Meredith, John C. Hall.	310 East Capitol st.
Luckett, William F.....	1419 Rhode Island ave. NW.	Merriam, Arthur C.....	1201 New Jersey ave. NW.
Luttrell, Samuel S.....	Falls Church, Va.	Metzerott, John H.....	1110 F st. NW.
Lynch, Robert L.....	2449 P st. NW.	Mew, William M.....	1410 21st st. NW.
Lynd, Ernest.....	Philadelphia, Pa.	Middleton, Rosier.....	1212 9th st. NW.
McArdle, Thomas E.....	1120 16th st. NW.	Miller, A. Caldwell.....	1528 9th st. NW.
McBlair, John H.....	2029 1st. NW.	Miller, Allen E.....	Bureau of Education.
McConnell, James C.....	609 3d st. NW.	Miller, J. Preston.....	2621 14th st. NW.
McCornick, John H.....	1225 L st. NW.	Miller, Maurice E.....	1339 15th st. NW.
McCornack, Daniel P.....	1139 12th st. NW.	Miller, Stephen C.....	1324 New York ave. NW.
McDonald, Thomas B.....	NW.	Miller, Thomas.....	1616 7th st. NW.
McDuffie, Jos. A.....	1512 Madison st. NW.	Miller, William L.....	410 K st. NW.
McGee, Anita N.....	2027 Columbia road.	Mills, William P.....	1015 L st. NW.
McGrath, Bernard F.....	Columbia Hospital.	Miner, Francis H.....	119 2d st. NE.
McGuire, James C.....	818 17th st. NW.	Minnick, William H.....	702 Florida ave. NW.
McIlheney, Jas. S.....	Hotel Oxford.	Mischeaux, Paul J.....	716 S st. NW.
McKaig, Joseph F.....	2406 Pennsylvania ave. NW.	Mitchell, Andrew B.....	1204 K st. NW.
McKeehan, George H.....	716 12th st. NW.	Mitchell, John W.....	420 D st. SE.
McKim, Samuel A. H.....	25 5th st. SE.	Moffit, Melville M.....	127 B st. SE.
McKimmie, Oscar A. M.....	1333 N st. NW.	Mohun, Thomas B.....	
McLain, John S.....	1320 19th st. NW.	Montgomery, Chas. W.....	623 6th st. SW.
McLaughlin, Thos. N.....	1226 N st. NW.	Montgomery, Jacob H.....	1905 K st. NW.
McLoughlin, George N.....	907 N st. NW.	Montgomery, Winfield S.	1912 11th st. NW.
McManus, George R.....	1818 M st. NW.	Moore, Joseph B.....	
McMaster, A. McF.....	717 14th st. NW.	Moore, Joseph H.....	720 17th st. NW.
McMillan, Samuel M.....	418 H st. NE.	Moore, Mark W.....	1203 North Capitol st.
McNally, Valentine.....	Hamilton House, 14th and K sts. NW.	Moran, John F.....	2426 Pennsylvania ave. NW.
McNeil, Eaton K.....	804 10th st. NW.	Moran, Pedro De S.....	2011 G st. NW.
McPherson, Dorsey M.....	1822 15th st. NW.	Morgan, Edwin L.....	2315 Pennsylvania ave. NW.
McVary, Stephen A.....	411 2d st. SW.	Morgan, Francis P.....	1230 9th st. NW.
MacDonald, George.....	1012 F st. NE.	Morgan, James D.....	919 15th st. NW.
Macdonald, Thomas L.....	1402 Massachusetts ave. NW.	Morgan, Wm. Gerry.....	1417 R. I. ave. NW.
Machinek, Camillo H.....	1110 New York ave. NW.	Morris, George G.....	815 14th st. NW.
Maekall, James McV.....	1721 Riggs place.	Morrison, Joseph.....	1753 P st. NW.
Maekall, Louis.....	3040 Dumbarton ave.	Morrison, Mary E.....	625 T st. NW.
Maekall, Louis, jr.....	1203 31st st. NW.	Morse, Edward E.....	1521 I st. NW.
Maddison, Benjamin F.....	417 B st. SE.	Morsell, William F.....	1810 S st. NW.
Maddox, Albert S.....	1414 K st. NW.	Motter, Murray G.....	2114 Connecticut ave. NW.
Maddox, William R.....	2139 Pennsylvania ave. NW.	Mudd, Joseph A.....	125 3d st. NE.
Madella, William H.....	2111 Pennsylvania ave. NW.	Mudd, Thomas D.....	107 Harrison st., Anacostia, D. C.
Magee, M. D'Arcy.....		Muhleman, Samuel A.....	1512 8th st. NW.
Magruder, George L.....	815 Vermont ave.	Mullins, John B.....	1516 H st. NW.
Mallam, Charles E.....	1532 Kingman place.	Muncaster, Magruder.....	1510 H st. NW.
Mallam, Thomas F.....	27 B st. SE.	Muncaster, Otto M.....	802 19th st. NW.
Malone, W. P.....	1516 H st. NW.	Muncaster, Stewart B.....	1510 H st. NW.
Mann, Henry L.....	334 Indiana ave.	Mundell, John H.....	1022 18th st. NW.
Mannakee, Elisha O.....	1626 19th st. NW.	Munson, Leonard W.....	
Manning, William P.....	1511 Rhode Island ave. NW.	Munson, Reginald.....	3101 P st. NW.
Marble, Ella M. S.....		Murphy, Walter C.....	507 4th st. NW.
Marbury, Charles C.....		Murray, T. Morris.....	730 17th st. NW.
Marmon, George H.....	1115 F st. NW.	Myers, Randolph M.....	1227 New Hampshire ave.
Marr, Samuel S.....	1415 10th st. NW.	Nagle, Patrick E.....	220 7th st. NE.
Marshall, Charles H.....	2710 P st. NW.	Napper, Walter P.....	1915 11th st. NW.
Marshall, Collins.....	2507 Pennsylvania ave. NW.	Nash, Francis S.....	1225 15th st. NW.
Martin, Thomas.....	310 New York ave. NW.	Nelson, J. Edward.....	523 13th st. NW.
Mason, Robert F.....	1227 Connecticut ave.	Nesmith, Francis M.....	Garfield Hospital.
Mason, William C.....	1517 8th st. NW.	Nevitt, James R.....	618 3d st. NW.
Masterson, William L.....	NE. corner North Capitol and I sts.	Newberne, Robt. E. L.....	626 C st. NE.
Matthews, Washington.....	1262 New Hampshire ave.	Newell, William M.....	1330 New York ave. NW.
Matson, Charles R.....	509 E st. NW.	Newell, William S.....	2403 Pennsylvania ave. NW.
Maulding, James A.....	626 9th st. NE.	Newman, Henry M.....	
		Nichols, Fenton Mercer	1318 19th st. NW.
		Nichols, John B.....	Hospital, U. S. Soldiers' Home.

List of physicians entitled to practice in the District of Columbia, November, 1898—Cont'd.

Name.	Address.	Name.	Address.
Nicholson, Leonard S.	727 11th st. NW.	Ramsburgh, Jesse	Providence Hospital.
Norcom, Henderson S.	219 4½ st. NW.	Rand, William H.	2223 15th st.
Nordhoff-Jung, Sofie A.	825 Vermont ave.	Ransom, Stacy A.	
Norman, Francis A.	131 Maryland ave. NE.	Raub, Jacob F.	201 East Capitol st.
Norris, John L.	531 Florida ave. NW.	Rauterberg, Arthur C.	510 5th st. NW.
Norris, Phebe R.	613 Florida ave. NW.	Rauterberg, Lewis E.	510 5th st. NW.
Norton, Rupert	1234 14th st. NW.	Ravenburg, Rudolph	1322 W st. NW.
Norwood, John C.	1632 Superior st. NW.	Ray, Anthony M.	Wisconsin ave., Tennal-
Nowlin, Homer E.	940 New York ave. NW.		lytown, D. C.
Ober, George C.	210 B st. SE.	Raymond, John U.	666 E st. NE.
O'Brien, Emilie Y.	2825 14th st. NW.	Reed, Joseph O.	201 Pennsylvania ave.
O'Connell, Jeffery C.	Trenton (P. O. building),		SE.
	N. J.	Reeve, Delos N.	1417 Columbia st.
O'Connor, Charles E.	815 9th st. NW.	Reeve, Jesse N.	1746 N st. NW.
Oertel, Theodore E.	Milledgeville, Ga.	Reeves, Will H.	506 C st. SE.
Ogden, David M.	1624 P st. NW.	Reinhardt, Otto M.	500 4th st. SE.
Olds, William J.	2927 M st. NW.	Reisinger, Emory W.	1209 13th st. NW.
O'Reilly, Thomas	11 M st. NW.	Rench, Victor B.	27 Grant place NW.
Osmun, Little C.	1611 1st st. NW.	Repetti, Frederick F.	46 I st. NW.
Outlaw, John S.	1415 Corcoran st. NW.	Repetti, John J.	
Owsley, William T.	206 F st. NW.	Reville, Laura M.	809 11th st. NW.
Page, William R.		Reyburn, Ella F.	2129 F st. NW.
Park, Francis E.	1714 New Jersey ave.	Reyburn, Eugenia	2129 F st. NW.
	NW.	Reyburn, Robert	2129 F st. NW.
Parker, Edward M.	1021 Connecticut ave.	Reyburn, Robert, jr.	714 13th st. NW.
	NW.	Ribble, George T.	902 East Capitol st.
Parker, Joseph M.	1100 Pennsylvania ave.	Rich, Frank R.	3236 N st. NW.
	SE.	Richards, Alfred	1123 New Jersey ave. SE.
Parkinson, Bernard A.	1711½ 7th st. NW.	Richards, Nancy D.	125 B st. SE.
Parrott, Richard L.	628 S st. NW.	Richardson, Charles W.	1102 L st. NW.
Parsons, Alfred V.	Takoma Park, D. C.	Richardson, Edward E.	400 7th st. SW.
Parsons, Mary A.	1216 H st. NW.	Richardson, George H.	309 11th st. NE.
Parsons, Starr.	326 C st. NE.	Richey, Stephen O.	732 17th st. NW.
Patterson, Edwin W.		Richmond, Paul	26 Grant place NW.
Peck, Melvin DeW.	934 F st. NW.	Riegel, William A. L.	Riggs House.
Pence, Charles W.		Riley, Terrence G.	1367 Kenesaw ave.
Penrod, Hiram J.	Bunker Hill road, Brook-	Ritchie, Louis W.	3259 N st. NW.
	land, D. C.	Rives, Wright, jr.	Garfield Memorial Hos-
Perkins, Edward D.	944 Virginia ave. SW.		pital.
Perkins, Thomas L.	908 Fifteenth st. NW.	Robbins, Ansel J.	16 3d st. NE.
Perry, George N.	1316 Q st. NW.	Robbins, Henry A.	1750 M st. NW.
Peter, Armistead	3044 O st. NW.	Roberts, Edwin E.	621 East Capitol st.
Peterson, Bowman H.	717 14th st. NW.	Roberts, Grace.	1109 K st. NW.
Petteys, Charles V.	1822 12th st. NW.	Roberts, Palmer W.	621 East Capitol st.
Phelps, William P.	301 13th st. NW.	Roberts, Robert R.	1639 12th st. NE.
Phillips, Francis M.	Laurel, Md.	Roberts, William	2500 Pennsylvania ave.
Phillips, William F. R.	1418 S st. NW.	Robins, William L.	1700 13th st. N. W.
Pickford, Edward F.	719 A st. NE.	Robinson, Thomas	1358 Emerson st. NE.
Pierre, Samuel M.	718 23d st. NW.	Rollings, Harry W.	222 H st. NW.
Pile, Mayne M.	1532 R st. NW.	Roman, Frederick O.	1501 8th st. NW.
Pinkard, Henry M.	929 E st. NW.	Roush, Alva S.	Hinton, W. Va.
Polkinhorn, Henry A.	414 2d st. NW.	Roy, Philip S.	North Capitol and L
Pool, Benjamin G.	945 Rhode Island ave.		sts. NW.
Pope, Gustavus W.	1109 14th st. NW.	Ruffin, Sterling	1023 Vermont ave.
Porter, Herbert W.	1426 11th st. N. W.	Russell, Howard C.	1021 Connecticut ave.
Portman, Adeline E.	722 18th st. NW.	Rutherford, Jesse B.	Harrisburg, Pa.
Pospisel, Joseph	1200 Florida ave. NE.	Ryan, Harvey E.	415 G st. NW.
Postley, Charles E.	930 F st. NW.	Safford, James P.	924 R st. NW.
Potter, Margaret S.	507 B st. NE.	Sage, John B.	206 11th st. SE.
Poulton, William E.	303 43 st. SW.	St. Clair, Francis A.	1319 T st. NW.
Prather, John W.	Rock Hill, S. C.	St. Clair, Francis O.	1428 Rhode Island ave.
Pratt, Alexis L.	120 11th st. NE.		NW.
Pratt, Daniel M.	1238 Florida ave. NE.	Samson, Geo. C.	2423 Pennsylvania ave.
Prentiss, D. Webster	1218 9th st. NW.		NW.
Prewitt, George T.	117 2d st. NE.	Savage, Linnaeus S.	Benning, D. C.
Price, John F.	607 6th st. SW.	Sawyer, John F.	1115 7th st. NW.
Price, P. Willis	1247 Maryland ave. NE.	Schaeffer, Edward M.	825 14th st. NW.
Price, William K.	632 23d st. NW.	Schelske, Otto W.	535 11th st. SE.
Pulsifer, Woodbury	1406 L st. NW.	Scholl, Joseph	615 D st. NW.
Purdy, Obadiah A.	821 4th st. NE.	Schrieker, Walter F.	401 7th st. NW.
Purnan, Lewis C.	15 7th st. SE.	Scott, Edward D.	1229 T st. NW.
Purnell, William W.	1516 New Jersey ave.	Scott, James F.	1138 Connecticut ave.
	NW.	Scott, William K.	Anacostia, D. C.
Purvis, Charles V.	1118 13th st. NW.	Seibert, Edward G.	24 Grant place NW.
Pyles, Richard A.	115 Monroe st. Anacos-	Sellhausen, Ernest A.	640 G st. NW.
	tia, D. C.	Seltzer, Henry H.	445 5th st. NE.
Quay, John B.	627 2d st. NE.	Seasford, Joseph S. F.	2424 Pennsylvania ave.
Quick, Tunis C.	1300 G st. SW.		NW.
Quivry, William L.	715 14th st. NW.	Sewell, Charles A.	1133 20th st. NW.
Radcliffe, Samuel J.	906 14th st. NW.	Shadd, Furmann J.	901 R st. NW.

List of physicians entitled to practice in the District of Columbia, November, 1898—Cont'd.

Name.	Address.	Name.	Address.
Shade, Nevin B.	1232 14th st. NW.	Sullivan, Welbie L.	920 19th st. NW.
Shands, Aurelius R.	1305 H st. NW.	Summy, Benn W.	3050 N st. NW.
Shaw, John W.	1453 Rhode Island ave.	Suter, Henderson Suter, W. Given Suter, William N.	817 North Capitol st. 1718 I st. NW. 1940 5th st. NW.
Shearer, Juliet G.	1216 H st. NW.	Sutliff, Milo H.	810 11th st. NW.
Shekell, Abraham B.	1529 32d st. NW.	Swartwout, Frank A.	321 E st. NE.
Shelley, Albert Shepard, Jackson B.	Woodside, Md. 1613 Madison st. NW.	Swain, Oliver A. T.	1109 I st. NE.
Shimer, Reuben L.	400 9th st. SE.	Sweet, Fred K.	1455 14th st. NW.
Shirley, John J.	3309 O st. NW.	Swormstedt, Lyman B.	2111 Pennsylvania ave. NW.
Shoulters, George H.	719 11th st. NW.	Tackington, Joseph A.	419 2d st. NW.
Shrader, Houston D.	115 Maryland ave. NE.	Taylor, Alfred H.	485 H st. SW.
Shute, Daniel K.	804 9th st. NW.	Taylor, William H.	2232 6th st. NW.
Shute, Augusta P.	1120 New York ave. NW.	Test, Frederick C.	1218 11th st. NW.
Sillers, Robert F.	224 Maryland ave. NE.	Thomas, Ada R.	1400 L st. NW.
Simmons, Sherod S.	313 H st. NW.	Thomas, Carrie H.	2226 6th st. NW.
Simpson, Edward P.	2356 6th st. NW.	Thomas, John D.	1134 Connecticut ave.
Simpson, John C.	Oxon, Md. Government Hospital for the Insane.	Thompson, Edgar D.	631 East Capitol st.
Slattery, John J.	232 11th st. SE.	Thompson, Henry P. P.	1218 New Hampshire ave. NW.
Smart, Benjamin H.	1224 6th st. NW.	Thompson, J. Ford.	804 17th st. NW.
Smith, George W.	120 7th st. SE.	Thompson, Millard F.	484 Maryland ave. SW.
Smith, Hugh M.	1248 New Jersey ave. NW.	Thomson, Wesley D.	1504 6th st. NW.
Smith, Julia E.	1100 M st. NW.	Thomson, William J. R.	459 M st. NW.
Smith, Leon J.	3104 N st. NW.	Tignor, William L.	324 G st. SW.
Smith, Percy G.	2002 14th st. NW.	Tompkins, Edmund L.	1512 Q st. NW.
Smith, Peter M.	1133 12th st. NW.	Tompkins, George J.	Roanoke, Va.
Smith, Thomas C.	3051 N st. FW.	Toner, John E.	Government Hospital for the Insane.
Snyder, Arthur A.	920 King st., Alexandria, Va.	Trudgian, Josiah B.	534 3d st. NE.
Snowden, Arthur Sohn, Frederick Sonnenschmidt, Chas. W.	1307 H st. NW. 1921 I st. NW. 1917 I st. NW. 1220 36th st. NW.	Tubman, James R.	1222 11th st. NW.
Sothoron, Elmer Sothoron, Levin J. Southworth, Richmond J.	1320 New York ave. NW. 1634 16th st. NW. 1015 16th st. NW. 122 E st. SE. 122 E st. SE.	Turner, Molyneaux Tyler, Abbie C. Tyler, Robert B. Upham, William C. Upshaw, Thomas L.	1126 12th st. NW. Freedmen's Hospital. Langdon, D. C. 1327 L st. NW. 2 Thomas circle. 816 17th st. NW.
Sowers, Zachariah T.	1320 New York ave. NW.	Vale, Frank P.	1221 N st. NW.
Spackman, Mary D.	1634 16th st. NW.	Van Kesselslaer, John.	Marine-Hospital Service, New Orleans, La.
Sprigg, William M.	1015 16th st. NW.	Van Kesselslaer, John.	1120 12th st. NE.
Squire, Linus T.	122 E st. SE.	Van Kesselslaer, John.	Hartleton, Union Co., Pa.
Squire, Susanna J.	122 E st. SE.	Vincent, Thomas N.	5th and L sts. NW.
Stack, Morris J.	Government Hospital for the Insane.	Von Emdorf, Rudolph H.	Woodburn, Terra Cotta, D. C.
Stafford, John J.	514 6th st. NW.	Walker, Louis A.	217 D st. NW.
Staples, Aubrey H.	476 Palisade ave., Jersey City, N. J.	Walker, Mary E.	208 Indiana ave. NW.
Stavely, Albert L.	1234 14th st. NW.	Walker, Robert A.	Children's Hospital. 61 R st. NW.
Stearns, John S.	1425 Rhode Island ave. NW.	Wall, Joseph S.	919 New York ave. NW.
Stearns, Solomon S.	1425 Rhode Island ave. NW.	Wallace, C. Jaquins	203 East Capitol st.
Steigers, Alonzo F.	718 11th st. NW.	Walsh, John E.	1504 H st. NW.
Stevens, Albert H.	Nichols ave., Anacostia, D. C.	Walsh, Ralph.	1010 F st. NW.
Stevens, Edward.	1702 P st. NW.	Walter, John Walter, Leroy D.	1443 G st. NE. 487 H st. SW.
Stevens, Henry C.	2010 E st. NW.	Ward, Samuel A.	1132 22d st. NW.
Stewart, Charles C.	1500 20th st. NW.	Wardfield, William A.	Freedmen's Hospital.
Stewart, William A.	Brightwood, D. C.	Waring, James H. N.	1932 11th st. NW.
Stone, Charles G.	1449 Rhode Island ave. NW.	Warman, William H. H.	939 T st. NW.
Stone, Isaac S.	1309 Rhode Island ave. NW.	Warren, George W.	1212 H st. NE.
Stone, James H.	1345 F st. NW.	Warren, Stanley S.	1223 M st. NW.
Stone, Thomas R.	142 E st. NE.	Washington, Richard.	828 12th st. NW.
Storch, August B.	1328 Maryland ave. NE.	Watkins, Edgar W.	1107 6th st. NW.
Story, James J.	206 B st. SE.	Watkins, Samuel E.	1119 O st. NW.
Stoutenburgh, John A.	1102 9th st. NW.	Watkins, Victor E.	1510 16th st. NW.
Stowell, Charles H.	1102 9th st. NW.	Watson, James A.	201 Monroe st., Anacos- tia, D. C.
Street, Daniel B.	606 East Capitol st.	Watts, Samuel R.	1343 V st. NW.
Street, Daniel B., jr.	512 East Capitol st.	Weaver, Clarence A.	1614 Q st. NW.
Street, Harlow R.	2522 L st. NW.	Webb, Daniel A.	803 H st. NW.
Strickler, Melchior B.	7 Dupont circle.	Webb, Edwin D.	621 2d st. NW.
Strobel, Mary L.	1226 14th st. NW.	Webb, Frank J.	1407 28th st. NW., or 2007 8th st. NW.
Stuart, Albert R.	817 North Capitol st.		
Stuart, James.	206 Elm st. NW.		
Suddarth, James L.			
Sudler, Thomas.			

List of physicians entitled to practice in the District of Columbia, November, 1898—Cont'd.

Name.	Address.	Name.	Address.
Wellington, John R....	1335 N st. NW.	Winter, Eugene C. C....	815 4½ st. SW.
Wells, Charles A.	Hyattsville, Md.	Winter, John T.	719 Mount Vernon sq.
Wells, Walter A.	1101 14th st. NW.	Witmer, Abraham H. ..	Government Hospital for the Insane.
Werber, Gustavus E....	1524 O st. NW.	Wolfe, Edwin P.	1316 12th st. NW.
Wertebaker, Clark I....	602 K st. NW.	Wolhaupter, David P....	2904 P st. NW.
West, Charles I.	1102 14th st. NW.	Wood, George W.	3d and F sts. SW.
West, George W.	745 4th st. N. W.	Woodman, Charles H. ..	634 A st. NE.
West, John H.	515 F st. NW.	Woodman, Francis J. ..	1114 New York ave. NW.
West, William E.	Ellis Island, N. Y.	Woodward, H. Wells...	598 I st. NW.
Westlake, John A.	1105 E st. S. W.	Woodward, William C....	1433 L st. NW.
Wetmore, William O....	703 9th st. NE.	Wooster, Mary L.	1433 L st. NW.
White, Charles S.	1537 Meridian ave. NW.	Wooster, Walter M....	Tacoma Park, D. C., or Forest Glen, Md.
Whitney, Charles F.	1205 Q st. NW.	Wright, George H.	451 M st. NW.
Whitson, Wm. Essex...	412 B st. SE.	Wright, Wilbur L.	3028 P st. NW.
Wiber, David E.	455 Massachusetts ave. N.W.	Yarnall, John H.	814 17th st. NW.
Wilder, James R.	Chicago, Ill.	Yarrow, Henry C.	1433 Corcoran st. NW.
Wilkinson, Alfred D....	1821 15th st. NW.	Young, Glendie B.	1336 New York ave. NW.
Williams, Daniel H.	Brookland, D. C.	Young, James T.	1317 8th st. NW.
Williams, Greene D....	1434 T st. NW.	Young, Parke G.	12th and F sts. NW.
Williams, J. Buxton, jr	1610 I st. NW.	Young, Samuel V.	803 H st. NW.
Williston, Edward D. ..	1451 Rhode Island ave. N.W.	Yount, Clarence E....	330 Pennsylvania ave. SE.
Wilmer, William H....	316 B st. SE.	Zaremba, Marian A....	
Wilson, Anne A.		Zimmerman, Charles St. V.	
Wilson, Lewes D.			

APPENDIX F.

VITAL STATISTICS.

Number of deaths in the District of Columbia and population according to the police census of December, 1896, by squares and divisions, for the year ended June 30, 1898.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
1	106	1	.....	80	4	.....	186	5	.....
Government alley	2	.....	.....	.....	.....	.....	2	.....	.....
4 W	21	.....	.....	18	.....	.....	39	.....	.....
4 N	46	.....	.....	1	.....	.....	47	.....	.....
4	115	3	.....	41	1	.....	156	4	.....
5	249	6	.....	160	1	.....	409	7	.....
6	106	1	.....	19	1	.....	125	2	.....
8	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	21	.....	.....	11	.....	.....	21	.....	.....
12	5	.....	.....	11	1	.....	16	.....	.....
13	.....	.....	.....	116	2	.....	119	2	.....
14 W	3	.....	.....	58	.....	.....	68	.....	.....
14	10	.....	.....	69	1	.....	222	3	.....
15	153	2	.....	34	.....	.....	163	2	.....
16	129	2	.....	225	8	.....	428	10	.....
17	203	2	.....	89	2	.....	191	5	.....
17 S	102	3	.....	19	.....	.....	19	.....	.....
18	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	30	1	.....	109	2	.....	139	3	.....
20	67	2	.....	27	1	.....	94	3	.....
21	21	1	.....	54	1	.....	75	2	.....
23	44	.....	.....	.....	.....	.....	44	.....	.....
24	115	.....	.....	320	13	.....	435	13	.....
25	38	.....	.....	.....	.....	.....	38	.....	.....
26	123	1	.....	13	.....	.....	136	.....	.....
27	129	3	.....	4	.....	.....	133	3	.....
28	242	5	.....	420	17	.....	662	22	.....
29	170	3	.....	43	.....	.....	213	3	.....
30	80	1	.....	46	2	.....	126	3	.....
31	109	1	.....	33	.....	.....	142	1	.....
32	112	2	.....	99	4	.....	211	6	.....
33	27	1	.....	45	.....	.....	72	1	.....
34 (not on map)	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 res	1	.....	.....	.....	.....	.....	1	.....	.....
36	109	3	.....	42	1	.....	151	4	.....
37	195	2	.....	235	5	.....	430	7	.....
38	128	.....	.....	61	1	.....	189	1	.....
39	127	5	.....	2	2	.....	129	7	.....
40	244	4	.....	7	.....	.....	251	4	.....
41	173	1	.....	77	1	.....	250	2	.....
42	91	3	.....	180	5	.....	271	8	.....
43	134	1	.....	87	.....	.....	221	1	.....
44	86	.....	.....	96	3	.....	182	3	.....
45 (not on map)	.....	.....	.....	.....	.....	.....	.....	.....	.....
46 (not on map)	.....	.....	.....	.....	.....	.....	.....	.....	.....
47 (vacant)	.....	.....	.....	.....	.....	.....	.....	.....	.....
48	2	.....	.....	.....	.....	.....	2	.....	.....
49	39	1	.....	32	.....	.....	71	.....	.....
50	94	2	.....	22	1	.....	116	3	.....
51	160	3	.....	266	3	.....	426	6	.....
52	76	.....	.....	4	.....	.....	80	.....	.....
53	65	2	.....	4	.....	.....	69	2	.....
54	185	2	.....	59	1	.....	244	3	.....
55	149	5	.....	48	1	.....	197	6	.....
56	183	1	.....	76	5	.....	259	6	.....
57	182	.....	.....	23	1	.....	205	1	.....
58	50	.....	.....	1	.....	.....	51	.....	.....
59	53	1	.....	159	3	.....	212	4	.....
60	.....	.....	.....	57	2	.....	57	2	.....
61	.....	.....	.....	97	1	.....	97	1	.....

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
62	18	1		8			26	1	
63	4						4		
64 (vacant)									
65	13	1		71	1		84	2	
66	97			21			118		
67	79	2		68			147	2	
68	99	1		52			151	1	
69	135	2		75	2		210	4	
70	173	4		277	3		450	7	
71	74			11	1		85	1	
72	238	4		216	4		454	8	
73	225	3		229	5		454	8	
74	176	2		72	3		248	5	
75	260	5		51	2		311	7	
76	74			375	2		449	6	
77	309	4		38	3		347	5	
78	120			53	2		173	2	
79	172	3		77	2		249	5	
80	149	2		23	1		172	3	
81	97			178	6		275	6	
82	6			103	2		109	2	
83	3			132	3		135	3	
84	9			91	3		100	3	
85	73	1		204	5		277	6	
86	221	3		56	3		277	6	
87				124	1		124	1	
87 E				73	1		73	1	
88	20			79			99		
88 E		1						1	
89					1			1	
90	56			23	1		79	1	
91	61			9			70		
92	79			12			91		
93	244	1		95			339	1	
94	61			17	2		78	2	
95	35	1		18			53	1	
96	56	1		38			94	1	
97	226	1		67			293	1	
98	33			11			44		
99 N. (vacant)									
99	158	1		258	6		416	7	
100	101	3		510	18		641	21	
101	260	7		43	1		303	8	
102	261	5		40	1		301	6	
103	128	2		23	1		151	3	
104	119	2		467	13		586	15	
104 S	26			348	2		374	2	
105	300	3		46			346	3	
106	134	6		71	1		205	7	
107	105	2		263	4		368	6	
108					1			1	
109					1			1	
110	97			82	1		179	1	
111	166	2		95			261	2	
112	11	1		3			24	1	
113	51	1		17	1		68	2	
114	89	1		19			108	1	
115	132	1		53	4		235	5	
116	106	3		110	4		216	7	
117	84	1		641	11		725	12	
118	88	2		18			106	2	
119	142	1		8			150	1	
120	277	1		71			348	1	
121	153	1		23	1		176	2	
122	155	1		183	2		338	3	
123	5			65			70		
124	7			74			81		
125 (vacant)									
126	181	3	1	155	1		336	4	
127	272	3		74	1		346	4	
128 N. (vacant)									
128 (vacant)									
129 (not on map)									
130 (not on map)									
131	39	1		100	2		199	3	
132	99			136	3		235	3	
133	260	2		53	1		313	3	
134	202	2		58	1		260	3	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
135	18			2			20		
136	74			12			86		
137 N. (vacant)									
137	117	1		20			137	1	
138	116			25			141		
139	268	4		65	1		333	5	
140	181	1		511	17		692	18	
141	199	1		42			241	1	
142	151	1		21			172	1	
143	55	1		6			61		
144	5			134	5		139	5	
145									
146									
147				28	1		28	1	
148									
149	18						18		
150	83			187	5		270	5	
151	107			33			140		
152	254	3		198	4		452	7	
153	163	1		36			199	1	
153 S. (vacant)									
154	45	2		131			176	2	
155	314	3		96			410	3	
156	390	7		81			471	7	
157	206	2		152	3		358	5	
158	207	1		90	1		297	2	
159	262			114	1		376	1	
160	60			9	1		69	1	
161	97			123	3		220	3	
162	260			39	3		299	3	
163	112			206	3		318	3	
164	181	2		14	1		195	3	
165	81			23			104		
166	226	2		42			268	2	
167	81	1		37			118	1	
168	174	2		7			181	2	
169	90	2		15			105	2	
170	147			38			185		
171	16	1		88	2		104	3	
172	9			146	4		155	4	
173				7			7		
173 S				8			8		
174	45			45			90		
175	24			6	1		30	1	
176	59			76	3		135	3	
177 N	37	2		16	1		53	3	
177	145	1		36			181	1	
178	211	4		57			268	4	
179	337	2		231	1		568	3	
180	170	1		199	2		369	3	
181	207	1		171	1		378	2	
181 S	25			4			29		
182 N	14			3			17		
182	107	3		116	2		222	5	
183	146	2		377	4		523	6	
184	101			158	6		259	6	
185	120	1		24			144	1	
186	60			6			66		
187 (not on map)									
188 (vacant)									
188 S. (vacant)									
189 N	41			11			52		
189	89	3		24			113	3	
190	370	8		26			396	8	
191	251	3		199			450	3	
192	141	2		33			174	2	
193	295	1		41			336	1	
194	150	1		242	3		392	4	
195	329	3		131	1		460	4	
195 S	23			16			23		
196 N	20			3			36		
196	72	1		223	2		295	3	
197	93	1		290	8		383	9	
198	142	2		136	3		278	5	
199	275	3		59			334	3	
200	335	2		5			340	2	
201 (not on map)									
202	152	1		88			240	1	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
270 (Baltimore and Potomac R. R. freight yards).....									
271.....	245	4		355	14		600	18	
272.....	24						24		
273.....	106	4		57	1		163	5	
274.....	187			398	8		585	8	
275.....	179	2		120	2		299	4	
276.....	204	5		135	2		339	7	
277.....	199	1		161	1		360	2	
277 S.....	37			7			44		
278 N.....				11			11		
278.....	154	1		63	1		217	2	
279.....	173			87			265		
280.....	253	2		49			302	3	
281.....	261	1		64	1		325	2	
282.....	170			58			228		
283.....	221	2		35			256	2	
284.....	202	2		22			224	2	
285.....	341	3		34			375	3	
286.....	212	4		65			277	4	
287.....	178	1		16			194	1	
288.....	368	2		21	1		389	3	
289.....	151			12			163		
290.....	207	1		39			246	1	
291.....	145	1		3			148	1	
292.....	60	1		21			81	1	
293.....	142			67	2		209	2	
294.....	13	1					13	1	
295.....				6			6		
296.....	322	4		61	2		383	6	
297.....	249	2		55	4		304	6	
298 (Baltimore and Potomac R. R. freight yard).....									
299.....	106	1					106	1	
300 (Southern R. R. shed).....									
301 (not on map).....									
302.....	80	1		231	2		311	3	
303.....	47			157	1		204	1	
304.....	46	1		6			52	1	
305.....	55			140	6		195	6	
306.....	144			124	2		268	2	
307.....	60			44			104		
308.....	8			120	3		128	3	
309.....	17			297	8		314	8	
310.....	70			96	2		166	2	
311.....	32	3		2			34	3	
312.....	164	1		10			174	1	
313.....	204	4		87	1		291	5	
314.....	172	1		4			176	1	
315.....	224	3		33	2		257	5	
316.....	194	1		42			236	1	
317.....	112	1		154	1		266	2	
318.....	273	2		22			295	2	
319.....	377			13			390		
320.....	67			6			73		
321.....	92	1		22			114	1	
322.....	235	1		2			237	1	
323 (new post-office).....									
324.....	31			29	1		60	1	
325.....	149			5			154		
326.....	128	1		5			133	1	
327.....	157	4					157	4	
328.....	82	1					82	1	
329.....	5			1			6		
330 (vacant).....									
331.....	20			294	3		314	3	
332.....	48			207	2		255	2	
333.....	45			189	1		234	2	
334 N.....	54	1		22			76		
334.....	52			52			104		
335.....	91	2		215			306	2	
336.....	13			315	9		328	9	
337 N.....				8			8		
337.....	115			98	3		213	3	
338.....	103			123	2		226	2	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
339	167	4	.....	9	.....	.....	176	4	.....
340	276	3	.....	94	2	.....	370	5	.....
341	230	2	.....	86	1	.....	316	3	.....
342	202	3	.....	67	1	.....	269	4	.....
343	133	1	.....	82	.....	.....	215	1	.....
344	192	2	.....	57	2	.....	249	4	.....
345	338	4	.....	41	.....	.....	379	4	.....
346	125	1	.....	2	.....	.....	127	1	.....
347	184	3	.....	2	1	.....	186	4	.....
348	176	1	.....	1	.....	.....	177	1	.....
349	39	1	.....	10	.....	.....	49	1	.....
350	16	.....	.....	8	.....	.....	24	.....	.....
351 N	56	1	.....	4	.....	.....	60	1	.....
351	186	2	.....	1	.....	.....	187	2	.....
352	154	1	.....	.....	.....	.....	154	1	.....
353	249	2	.....	2	1	.....	251	3	.....
354	151	2	.....	2	.....	.....	153	2	.....
355	57	2	.....	3	.....	.....	60	2	.....
356 (Ice Co. stables).	.....	.....	.....	.....	.....	.....	.....	.....	.....
357	177	1	.....	88	3	.....	245	4	.....
358	92	3	.....	233	8	.....	325	11	.....
359	.....	.....	.....	156	1	.....	156	1	.....
360	136	1	.....	98	3	.....	234	4	.....
361	204	5	.....	95	2	.....	299	7	.....
362	418	6	.....	13	.....	.....	431	6	.....
363	388	5	.....	85	.....	.....	473	5	.....
364	181	2	.....	248	8	.....	429	10	.....
365	497	4	.....	24	1	.....	521	5	.....
366	359	7	.....	18	.....	.....	377	8	.....
367	333	2	.....	126	6	.....	459	8	.....
368	363	3	.....	305	6	.....	668	9	.....
369	414	5	.....	164	7	.....	578	12	.....
370	263	1	.....	26	.....	.....	289	1	.....
371	169	2	.....	17	2	.....	186	4	.....
372	271	3	.....	34	.....	.....	305	3	.....
373	482	6	.....	33	2	.....	515	8	.....
374	443	2	.....	19	.....	.....	462	2	.....
375	525	3	.....	33	.....	.....	558	3	.....
376	146	2	.....	9	.....	.....	155	2	.....
377	269	.....	.....	46	1	.....	315	1	.....
378	403	2	.....	77	1	.....	480	3	.....
379	50	1	.....	1	.....	.....	51	1	.....
380	56	.....	.....	4	.....	.....	60	.....	.....
381	15	.....	.....	7	.....	.....	22	.....	.....
382	37	.....	.....	1	1	.....	38	1	.....
383	344	4	.....	6	.....	.....	350	4	.....
384	204	.....	.....	.....	.....	.....	204	.....	.....
385	156	2	.....	.....	.....	.....	156	2	.....
386 (Baltimore and Potomac R. R. freight yards).	.....	.....	.....	.....	.....	.....	.....	.....	.....
387	371	6	.....	204	8	.....	565	14	.....
388	141	1	.....	302	11	.....	443	12	.....
389	229	4	.....	95	1	.....	324	5	.....
390	120	.....	.....	.....	.....	.....	120	.....	.....
391 (warehouses).	.....	.....	.....	.....	.....	.....	.....	.....	.....
392 (not on maps).	.....	.....	.....	.....	.....	.....	.....	.....	.....
393	202	5	.....	.....	.....	.....	202	5	.....
394	271	.....	.....	.....	.....	.....	271	.....	.....
395	176	2	.....	56	2	.....	232	4	.....
396 S. (vacant).	.....	.....	.....	.....	.....	.....	.....	.....	.....
396	66	.....	.....	23	1	.....	89	1	.....
397	251	4	.....	30	1	.....	281	5	.....
398	167	.....	.....	6	.....	.....	173	.....	.....
399	246	2	.....	32	.....	.....	278	2	.....
400	302	2	.....	47	1	.....	349	3	.....
401	315	6	.....	45	1	.....	360	7	.....
402	236	3	.....	12	.....	.....	248	3	.....
403	231	3	.....	6	.....	.....	237	3	.....
404	185	.....	.....	.....	.....	.....	191	.....	.....
405	214	4	.....	11	.....	.....	225	4	.....
406	53	1	.....	10	.....	.....	63	1	.....
407	83	1	.....	12	1	.....	95	2	.....
408	6	.....	.....	.....	.....	.....	6	.....	.....
409	152	1	.....	1	.....	.....	153	1	.....
410	49	.....	.....	.....	.....	.....	49	.....	.....
411	148	1	.....	202	6	.....	350	7	.....
412	102	3	.....	25	.....	.....	127	8	.....

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
413.....	143	7					143	7	
414.....	87			58	2		145	2	
415.....	7			1			8		
415 S. (foundry, etc.).....									
416.....	128	5		34	1		162	6	
417.....	245	5		18	1		263	6	
418 (not on map).....									
419.....	200			94	1		294	1	
420 N.....	85	1					85	1	
420.....	135			4			139		
421.....	201	2		5			206	2	
422.....	123	3		33			156	3	
423.....	140	1		6			146	1	
424.....	341	5		18			359	5	
425.....	256	1		31			287	1	
426.....	226	3		6			232	3	
427.....	135	1		23			158	1	
428.....	139	1		6			145	1	
429.....	109	3		12			181	3	
430 (general post-office).....									
431.....	45			16			61		
432.....	22						22		
Agricultural Department and Smithsonian.....	43						43		
433.....	148	1		1			149	1	
434.....	62				1		62	1	
435.....	298	3		39			337	3	
436.....	116			3	1		119	1	
437.....	182			1			183		
438.....	177	2					177	2	
439.....	196	2					196	2	
439 S.....	5						5		
440.....	47	1		2			49	1	
441.....	349	9		241	1		590	10	
442.....	209	2		276	12		485	14	
443 (not on map).....									
444.....	8			17	3		492	11	
445.....	475	5		189	5		551	10	
446.....	101	1		2	1		103	2	
447.....	324	6		268	7		592	13	
448.....	368	2		351	13		719	15	
449.....	327	3		338	9		665	12	
450.....	179	2		69			248	2	
451.....	208	3		41	1		249	4	
452.....	303	7		39			342	7	
453.....	308	6		116	3		424	9	
454.....	286			27	1		313	1	
455.....	223	8		25			248	8	
456.....	163	1		24			187	1	
457.....	271	3		36	2		307	5	
458.....	109	1		9			118	1	
459.....	88						88		
460.....	110						118		
461.....	110			7			117		
462.....	404			20			424	4	
463.....	161	4					161	4	
463 S.....	57	2		5	1		62	3	
464.....	90	3					90	3	
465.....	484	3		117	3		601	6	
466.....	168	5		7			175	5	
467.....	363	3		8			371	3	
468.....	219	5		100	9		319	14	
469.....	339	1		120	4		459	5	
470.....	170	1		60	4		230	5	
471 W. (machine shop).....									
471.....	154	3		131			285	3	
472.....	133			1			134		
473.....	43						43		
474 (not on map).....									
475.....	103			71	1		174	1	
475 S.....	118			48			166		
475 E.....	86	1			1		86	2	
476.....	155						155		
477.....	134	1		145	4		279	5	
478.....	164			76			240		

REPORT OF THE HEALTH OFFICER.

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
479	75	3		27			102	3	
480	157			94	2		251	2	
481	229	1		24			253	1	
482	283	4		19			302	4	
482 S. (vacant)									
483				1			1		
484 W. (vacant)									
484	239	2		58	3		297	5	
485	180	5		4			184	5	
486	209	6		13			222	6	
487	181	7		7			188	7	
488	163	4		13			176	4	
489	126	2		22			148	2	
490	192	3		63			255	3	
491	269	1		21			290	1	
A res.	524	11		28	1		552	12	
B res.	387	5		92	1		479	6	
C res.	64			183	2		247	2	
D res.	306	4		64			370	4	
492	311	4		56	3		367	7	
493	123	1		34			157	1	
494	263	4		208	7		471	11	
495	276	3		25			301	3	
496	372	7		6			378	7	
497	414	9		46	1		460	10	
498	387	3		140	3		527	6	
499	269	4		90	1		359	5	
500	332	8		94	1		426	9	
501	240	1		158	2		407	3	
502	660	5		124	5		784	10	
503	595	14					595	14	
504	6						6		
505 (not on map)									
506 (not on map)									
507 N.	103			10			113		
507	157	1		111	1		268	2	
508 N. (vacant)									
508	81	5					81	5	
509	246	2		41	2		287	4	
509 E.	103	2		253	10		356	12	
510	306	5		337	8		643	13	
511	323	5		172	4		495	9	
512	232	2		711	18		943	20	
513	348	5		585	10		933	15	
514	458	11		98	3		556	14	
515 N.	241	5		103	4		344	9	
515	138	2		291	4		429	6	
516	387	8		320	3		707	11	
516 S.	257	2					257	6	
517	356	3		34	2		390	5	
518	590	7		499	6		1,089	13	
519	11			2			13		
520	23			124	2		147	2	
521	43	1		155	1		198	2	
522	14	1		65			79	1	
523	200	3		82	1		282	4	
524	99	2		3			102	2	
525	51	2		148	3		199	5	
526	55	1		100	3		155	4	
527	156	1		72	1		228	2	
528	149			22			171		
529	255	4		52			307	4	
530	160			36	2		196	2	
531	176	3		6			182	3	
532	287	6		18			305	6	
533	397	6		32	1		429	7	
10 res.	632	11		182	3		814	14	
11 res.	311	3		99	2		410	5	
12 res.	210	1		44			255	1	
Botanical Gardens	2			3			5		
534	173	2		477	3		650	5	
535	196	4		284	9		480	13	
536	87			196	5		283	5	
537 (vacant)									
538				419	6		498	6	
539	130	1		451	9		581	10	
540	164	2		335	12		499	14	
541	224	2		427	12		651	14	

REPORT OF THE HEALTH OFFICER.

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
542	218	5			1		218	6	
543	140	2		214	5		354	7	
544	230	5		166	9		396	14	
545	300	8		333	8		633	16	
546	602	7		2	1		604	8	
546 E.	24	1		47	2		71	3	
547									
Washington Bar- racks	475			20			495		
547 E. (vacant)									
548 (not on map)									
549 (not on map)									
550	98	1		22			120	1	
551	248	5		417	9		665	14	
552	4	1		17			21	1	
553 W	51	6		93	1		144	7	
553	129			488	8		617	8	
554 W	2						2		
554	146	4		173	6		319	10	
555	228	1		18			246	5	
556	24	1		177	5		201	6	
557	200	2		701	9		901	11	
558	53	3		239	5		292	8	
559	219	4		266	5		485	9	
560	106	1		14			120	1	
561	148	5		9			157	5	
562	142	1		45	1		187	2	
562 S	171			76	2		247	2	
563 N	113	1					113	1	
563	206			26			232		
564	156	4		117	2		273	6	
565	64	2					64	2	
566	185	2		49			234	2	
567	203	2		59	1		262	3	
568	308	3		21			329	3	
569	206	2		21	6		417	8	
570	355	5		26			381	5	
571	319	1		72	2		391	3	
572	141	3		56			197	3	
572 S	183			11			194		
573	129	3		4			133	3	
574	203	2		2			205	2	
575	401	3		30	3		431	6	
576	45			121	1		166	1	
577	77			266	13		343	13	
578	24	1		48			72	1	
579	19			219	5		238	5	
580 N. (vacant)									
580	69	2		234	2		293	4	
581	89			316	12		405	13	
582	59	5		297	1		356	6	
583 N. (vacant)									
583	34	1		330	3		364	9	
584	28	1		202			230	4	
585	47			243	5		390	5	
586	43			348	4		391	4	
587	27	2		373	8		400	10	
588	25	2		253	1		278	3	
589	13			291	7		304	7	
590	11			203	1		214	1	
590 E. (vacant)									
591	19			168	4		187	4	
592	7			180	8		187	8	
593				145	2		145	2	
594	3			238	3		241	3	
595				76	1		76	1	
596	34			130	3		164	3	
597 W	61			107	1		168	1	
597	47			184	5		231	5	
598	98	5		30			128	5	
599	6			88	6		94	6	
600									
601	27	2		16			43	2	
602	8						8		
603	2			28			30		
604 (vacant)									
605 (vacant)									
606 (vacant)									

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
607.....	6						6		
608 (vacant).....									
609.....	19			13	1		32	1	
610.....	2								
611.....	14			43	1		57	1	
612 (vacant).....									
613 (vacant).....									
614.....	47			1			48		
615.....	105	3		104	2		209	5	
616.....	171	5		239	5		410	10	
617.....	143	4		23	1		226	5	
618.....	133	3		25			208	3	
619.....	112	1		4	1		116	2	
620.....	414	5		988	25		1,402	30	
621.....	462	7		339	3		801	10	
622.....	255	7		4			259	7	
623 W.....	157	2		15			172	2	
623.....	660	5		504	15		1,164	20	
624 W. (vacant).....									
624.....	300	4		255	6		555	10	
625.....	273	2		97	3		370	5	
626.....	380	5		33	2		413	7	
627.....	15			2			17		
628.....	319	5		392	5		711	10	
629.....	212	3		46	1		258	4	
630.....	77	4		60			137	4	
631.....	25			7			32		
632 (Baltimore and Ohio R. R. depot).....									
633.....	294	1		71	1		365	2	
634.....	271	4		21			292	4	
635.....	153	6		64	4		217	10	
635 S.....				119	1		119	1	
636.....	3			1			4		
637.....	14			27	1		41	1	
638.....	21	1		348	7		369	8	
639.....	18	1			1		18	2	
640.....	9			238	5		247	5	
641.....	186	1		19			205	1	
642 N. (vacant).....									
642.....	34	1		226	5		260	6	
642 E.....	70	2					70	2	
643.....	33			254	3		287	3	
643 E.....				45			45		
643 S. (vacant).....									
644.....				60			60		
645 W.....				149	5		149	5	
645.....	45	1		119	4		164	5	
646 (vacant).....									
647.....	2						2		
648.....	5						5		
649.....					1			1	
650 N.....	6			90	2		96	2	
650.....	26	1		484	6		510	7	
651.....	17	3					17	3	
652.....	79	1		121	2		200	3	
653.....	107	1		32	4		139	5	
654.....	28			4	1		32	1	
655 (vacant).....									
656.....	70	1					70	1	
657 (vacant).....									
658.....	13			3			16		
659 (not on map).....									
660.....	4						4		
661.....	7						7		
662.....	19						19		
662 E.....				37			37		
663.....	9						9		
664.....	28	1					35	1	
664 E.....	8			2			10		
665.....	4			1			5		
666 (vacant).....									
667.....		1		7			7	1	
667 E. (vacant).....									
667 S.....	9			1			10		
667 SE.....				9			9		
668.....	109	1		35			144	1	
669.....	204	2		84	6		288	8	

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Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
670 (vacant).....									
671.....	78						78		
672.....	164	1		47	2		211	3	
673 (vacant).....									
674.....	5-2	7		261	11		843	18	
675.....	1, 063	12		20	1		1, 083	13	
676.....	393	6		27			420	6	
677.....	494	5		354	11		848	16	
678 (lumber yard) ..									
679.....	29			19			48		
680.....	17								
681 (Baltimore and Potomac R. R. freight yard).....							17		
682.....	118			3			121		
683.....	89	3		6			95	3	
684.....	186	2		14	1		200	3	
685.....	374	5		63			437	5	
686.....	222	1		132	3		354	4	
687 (not on map)									
688 (not on map)									
689.....	117	2		17	1		134	3	
690.....	2 1	1		81			312	1	
691.....	111	2		9			120	2	
692.....	96			27	1		123	1	
693.....	297	4		66	6		363	10	
694.....	191			68	4		259	4	
695 N.W. (Baltimore and Potomac R. R. freight depot).....					1			1	
695 (Baltimore and Potomac R. R. freight depot).....									
695 (vacant).....									
696.....	26			4			30		
697 N. (vacant).....									
697.....	110	2		6			116	2	
698 (vacant).....									
699 N. (vacant).....									
700.....	24			82			106		
701.....	35	3					35	3	
702.....	185	6		19	1		204	7	
703.....	136	2			2		136	4	
704.....	115			51	1		166	2	
704 (vacant).....									
705 (vacant).....									
706.....	21						21		
707.....	53						53		
708.....	6	1		8			14	1	
708 E. (vacant).....									
708 S. (vacant).....									
709.....	6						6		
710 (vacant).....									
710 E. (vacant).....									
711.....				4			4		
711 E.....	9	1					9	1	
712.....	6			61	1		67	1	
713 (vacant).....									
714.....	34	1					34	1	
715.....	126	4		65	1		191	5	
716.....	153	1					153	1	
717.....	122	1					122	1	
718 (vacant).....									
719.....	291	5		77	4		368	9	
720.....	204	6		21			225	6	
721.....	577	6		9			586	6	
722.....	151	3		9			154	3	
723.....	252	1					261	1	
724.....	229	6		115			344	6	
725.....	405	8		205	7		610	15	
726.....	736								

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
732	496	8		51	1		547	9	
733	221	5		89	2		361	7	
734	162	2		137	1		299	3	
735	124	3		3			127	3	
736	200	5		4			204	5	
737	12			262	6		274	6	
738	37			30			67		
739 (vacant)									
740	145	1		4	1		149	2	
741	9			62	1		71	1	
742	83			48	2		131	2	
743 N.		2			2			4	
743	276	1		271	2		547	3	
744	246	1		4	1		250	2	
744 S. (vacant)									
745 (not on map)									
746 (not on map)									
747 N. (vacant)									
747 (vacant)									
748	58	1		60	5		118	6	
749	142			36	1		178	1	
750	171	5					171	5	
751	212	1		45			257	1	
752	257	2		7			264	2	
753	313	3		180	5		493	8	
754	276	3		2			278	3	
755	143	4		98	2		241	6	
756	103	1		7			110	1	
757	206	3		104	6		310	9	
758	116	2		1			117	2	
759	165	1		68	2		233	3	
760	247	1		22			269	1	
761	165	2		12			177	2	
762	139	5		48			187	5	
763	132	3		14			146	3	
764	155						155		
765	16						16		
766	114	1		16			130	1	
767	134	2		21			155	2	
768	75	2					75	2	
769	121	3		1	1		122	4	
770	161	1		78	1		239	2	
771	27	1		5	1		32	2	
772 N.	6	1					6	1	
772	31						31		
773 (vacant)									
774	154	3		9	1		163	4	
775	89						89		
776	215	3		14			229	3	
777	186	1		4			190	1	
778	110	1		78			188	1	
779	330	2		55			385	2	
780	231	4		10			241	4	
781	101			1			102		
782	185	2		13	1		198	3	
783	53	2		52	1		105	3	
784	130	1		30			160	1	
785	196	3		77	3		273	6	
786	172	2					239	2	
787	182	1		12	1		194	2	
788	190	2		24	1		214	3	
789	77	1		1	1		78	1	
790	110	3		19			129	3	
791	187	5		29			216	5	
792	49			53	1		102	1	
793	87			113			200		
794	26	2		1			27	2	
795	75			109	2		184	2	
796	154	3		19			173	3	
797	39	1		192	6		231	7	
798	134	4		41	1		175	5	
799	116	4		34	1		150	5	
800	74	2					74	2	
801	274	6					274	6	
802	28	1		19			47	1	
803 (not on map)									
804 (not on map)									
805	203	3					203	3	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
806	103	3			1		103	4	
807	62	1					62	1	
808	223	4		2			225	4	
809	183	1		1			184	1	
810	64	2					64	2	
811	3			1	1		4	1	
812	159	2		45			204	2	
813	108	1		14			122	1	
814	92	1		2			94	1	
815	159	2		8			167	2	
816	121	1		78	1		199	2	
817	152	3		5	1		157	4	
818	176	1		47	2		223	3	
819	149	1		22			171	1	
820	113			32			145		
821	70	3		98	4		168	7	
822	189	3		5			194	3	
823	193	1		25			218	1	
824	87			22	2		109	2	
825	66	1		16			82	1	
825 S	144	1		21	1		165	2	
826				20	3		20	3	
826 S		2						2	
827 (not on map)									
828	6			17			23		
829	137			49			186		
830	40	2					40	2	
831	38						38		
832	7			1			7		
833	116	1		1			117	1	
834	84	1					84	1	
835	145	2		5			150	2	
836	204	2		35	1		239	3	
837	89						89		
838	113	3		11			124	3	
839	197	1		3			200	1	
840	114	5		5			119	5	
841	95	1		4			99	1	
842	122	1		1			123		
843	169	3		46			215	3	
844	160	4		14			174	4	
845	105			26	2		131	2	
846	170	1		31			201	1	
847	135	3		31			166	3	
848 (not on map)									
849	36	1					36	1	
850 (not on map)									
851 (not on map)									
852 (not on map)									
853 N	12			116			128		
853 (vacant)									
854				11	1		22	1	
855 N	11			8			298		
856	290			22	1		454	8	
857	432	7		1	1		96		
858	95			31			260	2	
859	229	2					419	4	
860	419	4		2			223	1	
861	221	1		36	2		617	5	
862 (vacant)	581	3							
863	9			38	3		47	3	
864	265	2		7			272	2	
865	121	3		49	2		170	5	
866	201			2			203		
867	270	4		51			321	4	
868	294	6		20			314	6	
869	315	4		9			324	4	
870	260	2		216	8		476	10	
871	120	4		10			130	4	
872	120	2		3			123	2	
873	186	3		104	3		290	6	
874	235	7		3			238	7	
875	3	1					3	1	
876	279	7		56			335	10	
877	311	4		125	3		436	7	
878	413	8		353	13		766	21	
879	28	2					28	2	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
880.....	50	.....	.....	90	6	.....	140	6	.....
15 and 16 res. (va- cant).....	47	.....	.....	123	4	.....	170	4	.....
881.....	88	1	.....	21	.....	.....	109	1	.....
882 (not on map).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
883 (not on map).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
884 (not on map).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
885 (not on map).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
886.....	68	.....	.....	.....	.....	.....	68	.....	.....
887.....	59	.....	.....	.....	1	.....	59	1	.....
888.....	49	.....	.....	.....	.....	.....	49	.....	.....
889.....	164	1	.....	2	.....	.....	166	.....	.....
890.....	183	2	.....	10	.....	.....	193	2	.....
891.....	138	3	.....	1	.....	.....	139	3	.....
892.....	91	2	.....	.....	.....	.....	92	2	.....
893.....	65	3	.....	63	3	.....	128	6	.....
893 S.....	18	.....	.....	.....	.....	.....	18	.....	.....
894.....	144	1	.....	22	1	.....	166	2	.....
895.....	142	3	.....	47	1	.....	189	4	.....
896.....	148	.....	.....	13	.....	.....	161	.....	.....
897.....	141	.....	.....	17	.....	.....	158	.....	.....
898.....	114	4	.....	54	2	.....	168	6	.....
899.....	102	2	.....	1	.....	.....	103	2	.....
900.....	174	.....	.....	24	1	.....	198	1	.....
901 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
902.....	159	1	.....	4	.....	.....	163	1	.....
903.....	211	3	.....	13	.....	.....	224	3	.....
904.....	293	3	.....	9	.....	.....	302	3	.....
905.....	102	1	.....	17	.....	.....	119	1	.....
906.....	157	2	.....	51	.....	.....	208	2	.....
907.....	58	.....	.....	47	2	.....	85	2	.....
Navy-yard.....	302	.....	.....	21	.....	.....	323	.....	.....
908.....	9	.....	.....	.....	.....	.....	9	.....	.....
909.....	59	3	.....	.....	.....	.....	59	3	.....
910.....	165	2	.....	58	1	.....	223	3	.....
911.....	62	.....	.....	3	.....	.....	65	.....	.....
912.....	157	3	.....	31	.....	.....	188	3	.....
913.....	178	2	.....	4	.....	.....	182	2	.....
914.....	42	.....	.....	.....	.....	.....	42	.....	.....
915.....	29	1	.....	1	.....	.....	29	1	.....
915 S.....	128	.....	.....	1	.....	.....	129	.....	.....
916.....	156	1	.....	55	1	.....	211	2	.....
917.....	205	3	.....	7	.....	.....	272	3	.....
917 S.....	11	.....	.....	.....	.....	.....	11	.....	.....
918.....	56	.....	.....	3	.....	.....	59	.....	.....
919.....	126	1	.....	2	.....	.....	128	1	.....
920.....	137	.....	.....	11	.....	.....	148	.....	.....
921.....	69	.....	.....	3	.....	.....	72	.....	.....
922.....	63	.....	.....	1	.....	.....	64	.....	.....
923.....	145	1	.....	1	.....	.....	146	1	.....
924.....	229	1	.....	29	.....	.....	258	1	.....
925.....	111	2	.....	5	.....	.....	116	2	.....
926.....	293	2	.....	2	.....	.....	295	2	.....
927.....	164	.....	.....	6	.....	.....	170	.....	.....
928.....	176	3	.....	1	.....	.....	177	3	.....
929.....	71	1	.....	.....	.....	.....	71	1	.....
930.....	60	.....	.....	12	1	.....	78	1	.....
931 N. (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
931 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
932.....	51	1	.....	.....	.....	.....	51	1	.....
933.....	111	1	.....	131	2	.....	242	3	.....
934.....	174	2	.....	.....	.....	.....	175	2	.....
935.....	146	1	.....	3	.....	.....	149	1	.....
936.....	142	.....	.....	1	.....	.....	143	.....	.....
937.....	78	2	.....	2	.....	.....	80	2	.....
938.....	.....	.....	.....	42	1	.....	42	1	.....
939.....	110	.....	.....	29	.....	.....	139	.....	.....
940.....	65	.....	.....	1	.....	.....	66	.....	.....
941.....	120	.....	.....	16	.....	.....	136	.....	.....
942.....	175	1	.....	4	.....	.....	179	1	.....
943.....	108	3	.....	27	.....	.....	135	3	.....
944.....	239	2	.....	11	.....	.....	250	2	.....
945.....	169	3	.....	71	1	.....	240	4	.....
946.....	.....	.....	.....	4	.....	.....	4	.....	.....
947.....	78	1	.....	2	.....	.....	80	1	.....
948.....	13	.....	.....	.....	.....	.....	13	.....	.....
949.....	251	2	.....	10	.....	.....	261	2	.....
950.....	290	4	.....	25	.....	.....	315	4	.....

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
951	120	2		10	1		130	3	
951 S	8			3			11		
952	108	1					108	1	
953	39			55	1		94	1	
954 (vacant)									
955 (vacant)									
956	6						6		
957	3			67	1		70	1	
958	79						79		
959	80	1		54			134	1	
960	168	3		24			192	3	
961	10	1					10	1	
962 N	7						7		
962	43	2					43	2	
963	23			7	2		30	2	
964	221	2		7	1		228	3	
965	198	2		28	1		226	3	
966	84	1		2			86	1	
967	105	2		2			107	2	
968	128	2		38			166	2	
969	68	1		3			71	1	
970	154	6		25			179	6	
971	108			28			136		
972	224	4					224	4	
973	232			2			234		
974	262	2		17	2		279	4	
975	145	2					145	2	
975 S	101	1		5			106	1	
976	93	3					93	3	
977	140	2		3			143	2	
978	41			9	1		50	1	
979	5			14	1		19	1	
980 N	76			1			77		
980 (vacant)									
981	230	3		5			235	3	
982	151	1		7			158	1	
983	179	5		101	3		280	8	
984	7			11			18		
985	4			34	1		38	1	
986	56	2		40	1		102	3	
987	288	2		21			309	2	
988	205	2		1			206	2	
989	172			4			176		
990	281	10		57	1		338	11	
990 S	46			48			94		
991	169			1			170		
992	155	4		22			177	4	
993 (not on map)									
994	163	1		1			164	1	
995	194	1			1		194	2	
996	156	3					156	3	
997	87	4					87	4	
998 (not on map)									
999	9						9		
1000	129	4					129	4	
1001	102						102		
1001 S				5			5		
1002	141	2		20	3		161	5	
1003	328	9		268	7		596	16	
1004	354	1		74	6		428	7	
1005	259	5		8			267	5	
1006	68	1		10			78	1	
1007	70	1		7			77	1	
1008	147	4		2			149	4	
1009	24						24		
1010	6	1		111	2		117	3	
1011	91	2		1			92	2	
1012	109	1		2			111	1	
1013	49						49		
1014	72	1					72	1	
1015	72	3		51	4		147	7	
1015 S	96			89			94		
1015 E	5			39			39		
1016 (not on map)									
1017 N	3			24			27		
1017	30	1		22	4		52	5	
1018	108	5		180	3		288	8	
1019	170	1					170	1	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
1019 S.....	103	1	.....	.....	.....	.....	103	1	.....
1020.....	384	7	.....	69	3	.....	453	10	.....
1021.....	68	1	.....	9	.....	.....	77	1	.....
1022.....	43	1	.....	.....	.....	.....	43	1	.....
1023.....	240	6	.....	58	2	.....	298	8	.....
1024 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1025 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1025 E. (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1025 S. (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1026 N.....	10	.....	.....	.....	.....	.....	10	.....	.....
1026.....	245	3	.....	163	.....	.....	408	3	.....
1027.....	198	1	.....	130	.....	.....	328	1	.....
1027 S.....	24	.....	.....	8	.....	.....	32	.....	.....
1028.....	66	1	.....	3	.....	.....	69	1	.....
1029.....	351	5	.....	3	.....	.....	354	5	.....
1030.....	25	1	.....	.....	.....	.....	25	1	.....
1031.....	3	.....	.....	.....	.....	.....	3	.....	.....
1032 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1033 NW.....	20	.....	.....	33	1	.....	53	1	.....
1033.....	48	4	.....	162	7	.....	210	11	.....
1034.....	24	1	.....	84	3	.....	108	4	.....
1035 N. (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1035.....	4	.....	.....	.....	1	.....	4	1	.....
1036.....	.....	.....	.....	28	.....	.....	28	.....	.....
1036 S. (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1037 (vacant).....	.....	.....	.....	.....	1	.....	.....	1	.....
1038.....	29	.....	.....	.....	.....	.....	29	.....	.....
1039.....	10	.....	.....	55	.....	.....	65	.....	.....
1039 S.....	.....	.....	.....	22	.....	.....	22	.....	.....
1040.....	26	1	.....	43	1	.....	69	2	.....
1041.....	6	.....	.....	243	5	.....	249	5	.....
1042.....	103	2	.....	58	1	.....	161	3	.....
1042 E.....	56	.....	.....	.....	.....	.....	56	.....	.....
1043.....	153	4	.....	.....	.....	.....	153	4	.....
1044.....	5	.....	.....	.....	.....	.....	5	.....	.....
1045.....	25	.....	.....	4	.....	.....	29	.....	.....
1046.....	71	2	.....	.....	.....	.....	71	2	.....
1047.....	173	3	.....	.....	.....	.....	173	3	.....
1048.....	53	1	.....	.....	.....	.....	53	1	.....
1048 S. (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1049 N.....	19	.....	.....	11	.....	.....	30	.....	.....
1049.....	110	1	.....	2	.....	.....	112	1	.....
1050.....	55	1	.....	3	.....	.....	58	1	.....
1051.....	296	.....	.....	1	.....	.....	297	.....	.....
1052.....	95	2	.....	.....	.....	.....	95	2	.....
1053 N. (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1053 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1054 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1055.....	.....	.....	.....	64	2	.....	64	2	.....
1056.....	4	1	.....	.....	.....	.....	4	1	.....
1057 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1058.....	83	1	.....	84	1	.....	167	2	.....
1059.....	.....	.....	.....	24	1	.....	24	1	.....
1059 S.....	.....	.....	.....	68	2	.....	68	2	.....
1060.....	10	.....	.....	167	7	.....	177	7	.....
1061.....	10	1	.....	60	1	.....	70	2	.....
1062.....	3	.....	.....	.....	.....	.....	3	.....	.....
1062 S. (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1063.....	21	.....	.....	.....	.....	.....	21	.....	.....
1064 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1065 NE. (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1065.....	10	.....	.....	.....	.....	.....	10	.....	.....
1066.....	27	1	.....	1	.....	.....	28	1	.....
1067 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1068.....	.....	.....	.....	18	.....	.....	18	.....	.....
1068 S. (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1069.....	6	1	.....	14	.....	.....	20	1	.....
1070.....	15	1	.....	2	.....	.....	17	1	.....
1071.....	4	.....	.....	28	.....	.....	32	.....	.....
1072.....	.....	.....	.....	96	3	.....	96	.....	.....
1072 S.....	16	.....	.....	46	2	.....	62	2	.....
1073.....	.....	.....	.....	26	.....	.....	26	.....	.....
1074.....	50	.....	.....	50	3	.....	100	3	.....
1075.....	77	.....	.....	.....	1	.....	80	1	.....
1076.....	49	.....	.....	.....	.....	.....	49	.....	.....
1077 (vacant).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1078.....	20	1	.....	.....	.....	.....	20	1	.....
1079.....	23	2	.....	.....	.....	.....	23	2	.....

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
1151 (vacant).....									
1152 (vacant).....									
1153 (vacant).....									
1154 (vacant).....									
1155 (vacant).....									
1156 (vacant).....									
1157 (vacant).....									
1158 (vacant).....									
1159 (vacant).....									
1160 (vacant).....									
1161 (vacant).....									
1162 (vacant).....									
1163 (vacant).....									
1164 (vacant).....									
1165 (vacant).....									
1166 (vacant).....									
1167 (vacant).....									
1168 (vacant).....									
1169 (vacant).....									
1170 (vacant).....									
United States jail...	56			264			320		
Washington Asylum	30			79			109		
Washington Asylum									
Hospital.....	19			33			52		
Workhouse.....	80			128			208		
Employees residing									
on grounds.....	48			10			58		
Total.....	150,414			70,284			220,698		

IN ALLEYS.

No. of square.	Name of alley.	White.			Colored.			Total.		
		Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.
1	Reed's alley.....				8			8		
4	King's court.....				15			15		
4	Pony court.....				12			12		
5	Green's court.....		1		70			70	1	
13	Jones's court.....				20			20		
13	Wells's court.....				5			5		
13					14			14		
14	Fussell's court.....				51	1		51	1	
16	Hughes's court.....	2			136	5		138	5	
17	Gallagher Hill.....				12			12		
17	Gallagher alley.....				11			11		
20					6			6		
24	Phillips's court.....	9			141	3		150	3	
28	Snow's row.....				249	14		249	14	
31	Bakehouse Hill.....				16			16		
33	Fletcher's Hill.....	8			25			33		
37	Stanton alley.....				39	1		39	1	
42	St. Mary's court.....				42	3		42	3	
44	Ricketts's court.....				37	2		37	2	
51	Reed's court.....	7			59	3		66	3	
54	St. Paul's court.....				39	1		39	1	
56	West End court.....				18	1		18	1	
59	Wilcox court (3 houses vacant).....									
66	Hilyer court.....	16			1			17		
67	Warner court.....	5			20			25		
68	Twine alley.....	6			26			32		
69	Cook alley.....				14			14		
70	Johnson row.....				11			11		
70	Ward place.....	71			21			92		
70	Ward alley.....	11			72	2		83	2	
70	Peach alley.....				57			57		
72	Libbey row.....				5			5		
73	Stevens's court.....				135	2		135	2	
74	Johnson's court.....				37	1		37	1	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

IN ALLEYS—Continued.

No. of square.	Name of alley.	White.			Colored.			Total.		
		Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.
76	Alexander's court.....				89			89		
77	Davies's court.....				19			19		
79	Daily's alley.....				42	1		42	1	
81	Johnson's row.....				33	3		33	3	
85	Lee's court.....				41	1		41	1	
104	O'Brien's court.....				96	10		96	10	
107	Constitution alley.....				30	1		30	1	
110					16			16		
114	Green's court.....				57			57		
117	Linger's court.....	5			171	4		176	4	
126	Magruder's alley.....	6			20			26		
127		2			8			10		
140	Queen alley.....	7			172	4		179	4	
157	Brainerd's alley.....	1			37	1		38	1	
159		4			44			48		
161	Clifton place.....				8			8		
163	Charter's alley.....	6			20			26		
172	Hayes's court.....	9			69	1		78	1	
183	Sumner alley.....	30			130	3		160	3	
197	Union alley.....	93			164	2		257	2	
204	Portner place.....	87			2			89		
205	Waverly alley.....				61			61		
209	Samson alley.....	1			3	1		4	1	
210		9			6			15		
211		1			22			28		
212					4			4		
214	Mount Vernon court.....	7			72			79		
231	Monument alley.....	7			14			21		
234	Liberty street.....				101			101		
235	Chester court.....	9			286	8		295	8	
238	Cedar street.....	4			167	13		171	13	
241					3			3		
242					8			8		
244	Wylie's court.....	3			42	1		45	1	
247	Green's court.....	3			73	2		76	2	
248		3			10			13		
252	Foundry alley.....				66	1		66	1	
254	Ebbitt House alley.....	3						3		
258	Naylor's alley.....				9	1		9	1	
265	Park row.....	19	2					19	2	
273	Davidson court.....				38	1		38	1	
274	Temperance avenue.....				203	7		203	7	
275	Valley street.....				72	2		72	2	
276	Quaker alley.....				80			80		
279					6			6		
280	Vincent court.....				22	1		22	1	
285	Franklin court.....	3			6			9		
288	Builder's Exchange court.....				3			3		
290	Slate alley.....	2			33	1		35		
293	Graham alley.....				14	1		14	1	
296	Draper's alley.....				61	2		61	2	
297	Carlin's alley.....	2			55	4		57	4	
302	Davis's court.....				11			11		
305	Dazenbrock's alley.....				23			23		
310					3			3		
337		461			9			470		
340	Durr's court.....				29	1		29	1	
344					9			9		
355	Riley's court.....	11	2					11	2	
358	Union court.....				75	2		75	2	
359	Hutton's court.....				18			18		
361	9½ street.....				95			95		
364	Covington street.....				105	2		105	2	
367	Naylor's alley.....	3			84	5		87	5	
368	Blagden's alley.....	20			235	5		255	5	
369	Shepherd's alley.....	5	1		150	6		155	7	
374					3			3		
376	Temple court.....	1			3			4		
377	Baptist alley.....				26	1		26	1	
378	Temperance Hall alley.....	21			53	1		74	1	
387	Golden street.....	5			130	4		135	4	
387	Liberty street.....				164	4		164	4	
388	Densmore alley.....	4			80	3		84	3	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

IN ALLEYS—Continued.

No. of square.	Name of alley.	White.			Colored.			Total.		
		Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.
389	Porksteak alley.....				95	2		95	2	
402					4			4		
411	Grace court.....				38	3		38	3	
419	Wynne's alley.....				25			25		
435	Hammersley court.....				29			29		
439	Arlington place.....	13						13		
441	West alley.....				77			77		
442	Glick's alley.....				276	9		276	9	
445	Crandall row.....				21	1		21	1	
445	Marion court.....				15	5		15	5	
447	Freeman's alley.....	6			191	5		197	5	
448	Siever's alley.....				26			26		
448	Ward's alley.....	8			45	1		53	1	
448	Madison court.....	4			45	6		49	6	
449	Goat alley.....	3			242	7		245	7	
452					13			13		
453	Essex court.....	114				3		114	3	
454	Bates's alley.....				17			17		
457	Cox's alley.....				15	2		15	2	
462	Miller's alley.....				20			20		
465	Williams's alley.....				3			3		
466	St. Dominic's alley.....				7			7		
467	Page's alley.....				8	2		8	2	
468	Burke's alley.....				74	9		74	9	
469	Springman's alley.....				116	4		116	4	
469	Chew's alley.....				80	3		80	3	
470	Loddy street.....	28						28		
470	K street alley.....				23			23		
471	Ambush court.....				46			46		
472	Robinson street.....	36						36		
490	Canterbury alley.....				23			23		
* B	Marble Hall alley.....				28			28		
492	Aiken's court.....				25	2		25	2	
495	Bacon's alley.....				6			6		
496	Hogan's alley.....	3						3		
497	Smithson's court.....				46	1		46	1	
498	Cullinane's alley.....				126	3		126	3	
499	Cow alley.....				18			18		
500	Casey's alley.....				33	1		33	1	
501	Locust court.....				75	2		75	2	
502	Clark's court.....	4			53	2		57	2	
502	Grant court.....	19						19		
502	Union court.....	8	5		64	3		72	8	
503	Huntoon court.....	130						130		
* C	Armory place.....	10			16			26		
507	Richardson court.....				111	1		111	1	
512	O street alley.....	2			282	11		284	11	
513	Ridge-street alley.....				28	2		28	2	
514	Brown's alley.....				54			54		
515	Naylor's alley.....				123	3		123	3	
516	Prather's alley.....				57	3		57	3	
518	St. Mary's court.....	235			137			422		
518	Washington court.....				31	5		31	5	
518	Douglas alley.....				16			16		
529	Census court.....				19			19		
535	Willow-tree alley.....	14			314	4		328	4	
536	Clark's alley.....				71	2		71	2	
537	Pleasant alley.....				22			22		
538	Knox alley.....				70	2		70	2	
539	Broad alley.....				135	2		135	2	
540	Pleasant alley.....	4			126	4		130	4	
541	Dixon's court.....				232	6		232	6	
543	Syphax court.....				8			8		
544	Allen's court.....				85	5		85	5	
545	Van street.....				196	6		199	6	
551	Reeve's court.....	3			201	5		201	5	
551	Cook's court.....				84			84		
553	Brook's court.....	3			171	3		174	3	
554	Baltimore court.....				108	2		108	2	
557	Pierce-street alley.....				129	4		129	4	
557	Burgess court.....				68	1		68	1	
559	A B C alley.....	4			88			92		
562	Seaton court.....				45	1		45	1	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

IN ALLEYS—Continued.

No. of square.	Name of alley.	White.			Colored.			Total.		
		Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.
564	Ball's court				117	2		117	2	
566	Gould's alley				23			23		
567	Horn's court				47	1		47	1	
568	Sheriff's alley				14			14		
569	Madison alley				83	3		83	3	
571	Union alley				51	1		51	1	
575	Purdy's court	82			26	2		108	2	
576	Dudley place	9			19			19		
577	B-and-a-half street	5			78	1		87	1	
577	2½ street				19			24		
579	Quinn's court				17			17		
580	Pear-tree court				3	1		3	1	
581	Limerick alley	1			87	6		88	6	
583	Sullivan court				38	1		38	1	
584	Eliason court				8			8		
584	O'Neill's court				57			57		
586	Brown's court				97	2		97	2	
587	Desmond's court				38			38		
588	Leonard's court				23			23		
589	H-street alley				4			4		
593	Parker's row				28	2		28	2	
594	Clark's court				40			40		
616	Decatur court	1			38	7		39	7	
617	Hanover court				47	1		47	1	
620	Logan place	10			197	10		207	10	
620	Half-street court				101	2		101	2	
624	Jackson alley	4			174	16		178	16	
625	Fitzgerald alley				13	1		13	1	
626	Johnson's alley	3						3		
628	McCullough street				190	1		190	1	
628	Dingman place	2			184	4		186	4	
635	Capitol court				5			5		
635	Wander's court	34	1					50	3	
638	Temple court				73	1		73	1	
640	Capitol alley				20	3		20	3	
642	Cedar court				35			35		
650	Christian alley				10			10		
650	Nolan's court				211	5		211	5	
652	Pierce's court	9			41	3		50	3	
652	Church alley				19			19		
676	Defrees court	15			24	16		39	16	
684	Murray's court				7			7		
686	Oriole court	12			116	3		128	3	
*10	Jackson-Hall alley	31			146	3		177	3	
*11	Adams-Express alley				53	1		53	1	
690	Willow-tree alley				50			50		
708	Child's alley	1							1	
719	Cabbage alley	9			50	2			2	
719	St. Ann's avenue	32						32		
724	Lowe's alley	6			49			55		
725	Schott's alley	48			197	7		245	7	
733	Rumsey's court				33	1		33	1	
743	Quander place				96	1		96	1	
743	Van street				61			61		
749	Fenton court				24	15		24	15	
753	Gordon avenue				180	4		180	4	
757	Bassett's alley				51	6		51	6	
759	Terrace court				44	2		44	2	
762	Imbert's court				20			20		
776	Pleasant alley	33			10			43		
779	Groff's court				55			55		
785	Douglass court				42	2		42	2	
786	Miller's court				36			36		
788	Harris court	13				1		13	1	
801	Dick's alley	2						2		
801	Mechanics place	25	1					25	1	
818	Navy place	8			336	14		344	14	
858	Blair's court	10			30			40		
859	Brewer's court	24	1					24	1	
870	Brown alley				122	5		122	5	
873	Murray's court				22	1		22	1	
877	Mark's alley				113	2		113	2	
895	St. James court				28	1		28	1	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

IN ALLEYS—Continued.

No. of square.	Name of alley.	White.			Colored.			Total.		
		Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.
912	Green's court.....				25			25		
926	Odd-Fellows-Hall alley.....	17						17		
950	Abner's court.....				9			9		
965	Everly's court.....				12	1		12	1	
986		4			6			10		
990	Tiger alley.....				31	1		31	1	
1015	Water street.....				42	2		42	2	
1018	Hope avenue.....				98			98		
1020	Coxey's court.....				69	2		69	2	
1026	Wylie's court.....				106	7		106	7	
1027	Linden court.....				117	8		117	8	
1030	Childs court.....	25	1					25	1	
1041	Harrison court.....	6			94	2		100	2	
1042	Guethlers alley.....				45	1		45	1	
1060	King's place.....				46	2		46	2	
14	Keady's alley.....				51			51		
15	Factory Hill.....				55			55		
16	Caton's alley.....				17			17		
18	Cecil alley.....	70	1		12			82	1	
18	Arlow's alley.....				15	1		15	1	
18	Cherry Hill.....				61	2		61	3	
19	Water's alley.....				23			23		
19	Coopershop alley.....				14	1		14	1	
19	South alley.....	162			7			169		
30	Car-stable alley.....	23						23		
35	Bank alley.....	37			5			42		
37	Masonic Hall alley.....	8						8		
38	Congress-street alley.....				55	1		55	1	
39	Jackson alley.....				6			6		
39	Thomas alley.....				12			12		
45	Rock court.....				65			65		
48	Lynch's alley.....				6			6		
51	Seymour alley.....				6			6		
70	Paxton alley.....				7			7		
84	Bell's court.....				23			23		
110	Brown street.....	25						25		
110	Scott street.....				58			58		
110	Caton's alley.....	4			18			22		
112	Irving place.....	23			1			24		
112	Cambridge place.....	125			15			140		
	Total.....	2,144			16,189			18,333		

COUNTY.

Location.	Name of alley.	White.			Colored.			Total.		
		Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.
Between 7th street extended and Sherman avenue.	Bellvue court.....				37			37		
Howard University subdivision.	Bland's alley.....				139			139		
Do.....	Herbert's alley.....	4			63			67		
Do.....	Trumbulls court.....				35			35		
Mount Pleasant.....	North court.....				139			139		
Meridian Hill.....	Hill's court.....				48			48		
Do.....	Fry's court.....				47			47		
Do.....	Erie court.....				50			50		
Do.....	Ogle's court.....				29			29		
Howard University subdivision.	Pomeroy court.....				38			38		
Do.....	Files court.....	2			14			16		

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

IN COUNTY.

Name.	White.			Colored.			Total.		
	Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.	Population.	Deaths.	Death rate.
Anacostia	2,571	50	.....	68	5	.....	2,639	55	.....
Congress Heights	165	7	.....			.....	165	7	.....
Garfield .....			.....	486	31	.....	486	31	.....
Giesboro	208		.....	84		.....	292		.....
Hillsdale	102	5	.....	2,062	54	.....	2,164	59	.....
Harrison street and Good Hope	245		.....	11	1	.....	256	1	.....
Twining City	200	10	.....			.....	200	10	.....
Government Hospital for Insane:									
Patients	1,423	147	.....	815	50	.....	1,738	197	.....
Employees	491		.....	19		.....	510		.....
Harlem (west of Rock Creek and Georgetown)	358	14	.....	23	2	.....	381	16	.....
Tennallytown	758	13	.....	369	22	.....	1,127	35	.....
Bloomington	395		.....	8		.....	403		.....
Brightwood Park	272		.....	14	12	.....	286	12	.....
Brightwood avenue, from Florida avenue to District line	361	21	.....	60		.....	421	21	.....
Brookland	671	15	.....	55	4	.....	726	19	.....
Brookland, south	194		.....	21		.....	215		.....
Eckington	798	34	.....	51	2	.....	849	36	.....
Eckington, west									
Eckington, central									
Howard University subdivision	340		.....	2,056	41	.....	2,396	41	.....
Le Droit Park	1,721	14	.....	146	12	.....	1,867	26	.....
McLaughlin subdivision	295		.....	64		.....	359		.....
Soldiers' Home	804	30	.....		4	.....	804	34	.....
Territory bounded by 14th street extended on the east, Florida avenue NW. on the south, Rock Creek on the west, and unnamed road on the north, comprising the subdivisions of Mount Pleasant, Lanier Heights, Ingleside, etc.	2,619	36	.....	1,539	34	.....	4,158	70	.....
Territory bounded by 7th street extended on the east, Florida avenue NW. on the south, 14th street NW. extended on the west, and Spring road on the north, comprising the subdivisions of Holmead Manor, Todd & Brown, Columbia Heights, etc.	3,367	32	.....	2,773	77	.....	6,140	109	.....
Tacoma Park	165	7	.....	16	3	.....	181	10	.....
Benning	321	6	.....	66	4	.....	387	10	.....
Ivy City	131	5	.....	248	6	.....	379	11	.....
Deanwood		4	.....		16	.....		20	.....
Kendall Green and Deaf and Dumb Asylum	140		.....	25		.....	165		.....
Langdon	217	3	.....	6	2	.....	223	5	.....
Rosedale	1,113	12	.....	94	8	.....	1,207	20	.....
Reform School	144		.....	130		.....	274		.....
Trinidad	1,356	15	.....	301	8	.....	1,657	23	.....
Winthrop Heights	43		.....	161	9	.....	204	9	.....
Shepherds Landing		1	.....			.....		1	.....
Total	21,988		.....	11,271		.....	33,259		.....

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

GEORGETOWN.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
1.....				5			5		
2.....				1			1		
3 (lumber yards, etc.).....		1						1	
4.....	8						8		
5 (coal wharves, etc.).....									
6 (coal wharves, etc.).....									
7 (coal wharves, etc.).....									
8 (coal wharves, etc.).....									
9 (coal wharves, etc.).....									
10.....	2						2		
11.....	12			6			18		
12.....	34			1			35		
13.....	21	1		28			49	1	
14.....	88	2		73	2		161	4	
15.....	11			55			66		
16.....	94	1		37	1		131	2	
17.....	52			8			60		
18.....	161	2		110			271	2	
19.....	162	4		45	1		207	5	
20.....	151	6		102			253	6	
21.....	97	3		10	2		107	5	
22.....	87	1		11	1		98	2	
23.....	8	1					9	1	
24.....	40			9			49		
25.....	84	2			1		84	3	
26.....	81	1		47			128	1	
27.....	131	1		109	1		240	2	
28.....	159			3	1		162	1	
29.....	106	1		16			122	1	
30.....	241	3		8	2		249	5	
31.....	46	2		133	1		179	3	
32.....	49	2					49	2	
33.....				5			5		
34.....	71	2					71	2	
35.....	211	6		10	1		221	7	
36.....	45			40			85		
37.....	171	1		47	1		218	2	
38.....	303	4		65	1		368	5	
39.....	290	2		30			320	2	
40.....	148	1		2			150	1	
41.....	170	1		14			184	1	
42.....	107	3		50			157	3	
43.....	148	1		2			150	1	
44.....	21	1		113	4		134	5	
45.....	30	1		167	1		197	2	
46 (vacant).....									
47.....				11	1		11	1	
48.....	256	2		15			271	2	
49.....	111			5			116		
50.....	195	1		5			200	1	
51.....	125			8			133		
52.....	72			24			96		
53 (vacant).....	158	1		35			193	1	
54 (vacant).....									
55 (vacant).....									
56.....	231	2		13	1		244	3	
57.....	75			11			86		
58.....	218	1		2			220	1	
59.....	144	3		13			157	3	
60.....	72			6			78		
61.....	146	1		24			170	1	
62.....	178	1		19			197	1	
63.....	122	3		13			135	3	
64.....	93	1					104	2	
65.....	107			11	1		118	1	
66.....	43	1		51	4		94	5	
67.....				102	2		145	2	
68.....	6			65	1		71	1	
69.....	19			70	3		89	3	
70.....	59	1		117	3		176	4	
71.....	75			63			138		
72.....	75			5			80		
73.....	128	1		5			133	1	
74.....	225	3		21			246	3	
75.....	195	2		9			204	2	
76.....	206	3		23	2		229	5	
77.....	128	1		18			146	1	

Number of deaths in the District of Columbia and population according to the police census of December, 1896, etc.—Continued.

Number of square.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.	Popula- tion.	Deaths.	Death rate.
78	106	2		124	4		139	6	
79 (vacant)									
80	185			5			5		
81							185		
82 Convent of Visi- tation		7						7	
83	107			2			109		
84	138	2		109	2		247	4	
85	253	3		10			263	3	
86	207	2		8			215	2	
87	180	3		17			197	3	
88	103	3		15			118	3	
89	85	1		59			144	1	
90	6			92	4		98	4	
91				80					
92				138	3		142	3	
93	75	1		172	3		247	4	
94	63			86			149		
95	23			98	3		121	3	
96	168	1		15	1		183	2	
97	60			2			62		
98	80			6			86		
99	148	1		20			168	1	
100	93			15			108		
101	160	1		22			182	1	
102	142	1		3			145	1	
103	76	2		114	2		190	4	
104	24			16			40		
105	17						17		
106 (vacant)									
107	96	1		1			97	1	
108	197	2		69	1		266	3	
109	81			27			108		
110	322	5		134	2		456	7	
111	134	1		25			159	1	
112	291	6		49	1		340	7	
113	57			11			68		
114	43			3			46		
115	25			5			30		
116 (vacant)									
117				74			74		
118 (vacant)									
119 (vacant)									
120	52	1		70	2		122	3	
121	149	1		29	1		178	2	
122 (vacant)									
123	11						11		
124	27			1			28		
125	17			1			18		
126	64	1		20			84		
127	68	2		48	1		116	3	
128	57			4			61		
129	204	1		7			211	1	
130	115			9			124		
131	26			15	1		41	1	
132 (not on map)									
133	94						94		
134 (vacant)									
135	8						8		
136 (vacant)									
137 (vacant)									
138 (vacant)									
139 (vacant)									
140	5						5		
141 (vacant)									
142 (vacant)									
143 (vacant)									
144 (vacant)									
145 (not on map)									
146 (vacant)									
147 (vacant)									
148 (vacant)									
149 (vacant)									
150 (vacant)									
151 (vacant)									
Little River	3						3		

TABLE I.—Showing total number of deaths occurring in the District of Columbia, arranged by classes, orders, sex, color, months, quarters, age, nativity, and social relations, with percentages and death rates, for the year ended June 30, 1898.

Cause of death.	Total deaths from each cause.	Per cent of each cause to total mortality.	DEATH RATE.		RECAPITULATION.												1897.						
			Deaths per 1,000 inhabitants.		Total by color and sex.				Total by color.				Total by sex.				July.			August.			
			W.	C.	W.		C.		W.	C.	M.	F.	M.	F.	Total	W.	M.	F.	W.	M.	F.		
					M.	F.	M.	F.															
CLASS I.—ZYMOTIC DISEASES.																							
Order 1.— <i>Miasmatic.</i>																							
Diarrhea.....	47	.86	.10	.31	10	9	8	20	19	23	18	29	2		2	3					4	2	3
Dysentery.....	24	.44	.07	.11	7	7	4	6	14	10	11	13	3		2	1				3	3	2	3
Enterocolitis.....	77	1.42	.26	.31	19	31	14	13	50	27	33	44	4		7	3				3	4	3	3
Cholera infantum.....	169	3.13	.38	1.09	40	34	44	51	74	95	84	85	12		17	14				2	6	2	8
Cholera morbus.....	2	.04	.01	1	1	1		2	2		1	1	1		1								7
Diphtheria.....	180	2.39	.34	.73	32	33	36	29	65	65	68	62	1		1	1				1	5	1	1
Scarlet fever.....	13	.24	.06	.02	7	4	1	1	11	2	8	5	5										3
Measles.....	10	.18	.04	.02	4	4		2	8	2	4	6	2										3
Whooping cough.....	84	1.58	.11	.70	9	13	24	38	22	62	33	51	1		4	5				13	2	2	11
Croup.....	5	.09	.03	.07	2	2	1	2	3	4	1	4	1										10
Typhoid fever.....	180	2.39	.38	.67	41	30	23	36	71	59	64	66	2		4	2				3	3	2	8
Typho-malarial fever.....	5	.09	.01	.04	1	5	3	1	4	1	4	1	2										1
Intermittent fever.....	5	.09	.02	.01	2	2		1	4	1	4	1	2										1
Remittent fever.....	7	.13	.03	.01	1	1	1	1	6	1	2	5	1										1
Congestive fever.....	24	.44	.10	.04	9	11	2	2	20	4	11	13	1		1					1	2	3	1
Malarial fever.....	8	.15	.02	.06	3	5	5	3	5	8	3	5	8										1
Septicemia.....	7	.13	.03	.02	5	2	2	2	5	2	5	2	5			1							1
Pycemia.....	6	.11	.02	.02	2	2	1	1	4	2	3	3	3										3
Erysipelas.....	3	.05	.02		3															1			3
Carbuncle.....	40	.74	.15	.11	18	12	3	7	30	10	21	19	1										3
Catarrhal influenza (grippe).....	2	.04						1	1		2	1											1
Pemphigus.....																							
Total miasmatic.....	800	14.79	2.17	4.32	217	199	172	212	416	384	389	411	27		36	28				50	18	26	31
Order 2.— <i>Enthetic.</i>																							
Syphilis, congenital.....	27	.50	.03	.25	4	1	14	8	5	22	18	9	1										3
tertiary.....	6	.10	.01	.05	1	1	2	2	2	4	3	3								1			1
Total enthetic.....	33	.60	.04	.30	5	2	16	10	7	26	21	12	1							1			3
Order 3.— <i>Dietic.</i>																							
Inanition.....	27	.50	.07	.12	12	4	6	5	16	11	18	9	1			1				1			1
Malnutrition.....	13	.24	.01	.12	1	1	1	3	2	11	9	4											1
Alcoholism.....	7	.13	.03	.03	5		2		5	2	7									1			

[illegible]

[illegible]

[illegible]

[illegible]

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	Total deaths from each cause.	Per cent of each cause to total mortality.	DEATH RATE.		RECAPITULATION.										1897.											
			Deaths per 1,000 inhabitants.		Total by color and sex.					Total by sex.					July.			August.								
			1,000 inhabitants.		W.		M.		F.		C.		W.		M.		F.		C.		W.		M.		F.	
			W.	C.	M.	F.	M.	F.	C.	W.	C.	M.	F.	W.	C.	M.	F.	W.	C.	M.	F.	W.	C.	M.	F.	
CLASS II.—CONSTITUTIONAL DISEASES.																										
Order 2.—Tubercular.																										
Scrofula.....	4	.13	.02	.01	3	144	177	1	3	1	3	342	325	1	10	12	17	19	6	6	13	17				
Phthisis pulmonalis.....	667	12.32	1.01	4.03	165	19	15	41	29	34	70	60	44	3	2	4	2	2	2	2	6	2				
Tuberculosis.....	104	1.91	.17	.79	19	34	51	56	65	64	57	7	2	4	1	3	2	1	3	2	1	3				
Marasmus.....	121	2.23	.29	.74	30	26	34	6	2	15	8	13	8	3	3	3	3	3	3	3	3	3				
Tubercular meningitis.....	23	.42	.08	.09	9	6	6	2	1	5	1	2	4	1	1	1	1	1	1	1	1	1				
peritonitis.....	6	.10	.03	.01	2	3	1	2	4	2	3	3	3	3	3	3	3	3	3	3	3	3				
enteritis.....	1	.02	.02	.02	3	1	1	2	4	2	3	3	3	3	3	3	3	3	3	3	3	3				
nephritis.....	9	.02	.03	.05	4	1	1	3	1	2	4	7	1	1	1	1	1	1	1	1	1	1				
Hydrocephalus.....	16	.03	.03	.05	4	1	1	3	1	2	4	7	1	1	1	1	1	1	1	1	1	1				
Tubercular laryngitis.....	2	.04	.01	.03	1	3	1	2	3	3	1	5	1	1	2	2	2	2	2	2	2	2				
Rickets.....	6	.10	.02	.01	3	1	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1				
Lumbar abscess.....	1	.02	.01	.01	3	1	1	2	3	3	1	4	1	1	1	1	1	1	1	1	1	1				
Tuberculous meningitis.....	4	.07	.05	.05	3	3	1	2	3	3	1	4	1	1	1	1	1	1	1	1	1	1				
Foet's disease (kyphosis).....	5	.09	.01	.03	2	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3				
Total tubercular.....	959	17.71	2.29	5.87	238	290	297	254	438	521	505	454	27	20	25	25	13	10	24	24	24	24				
Total constitutional diseases.....	1,154	21.31	3.04	6.44	293	289	278	294	582	572	571	583	28	29	26	29	17	12	25	26	26	26				
CLASS III.—LOCAL DISEASES.																										
Order 1.—Nervous system.																										
Meningitis, cerebral.....	75	1.38	.26	.30	23	25	19	8	48	27	42	33	2	2	3	3	1	2	1	1	1	1				
cerebro-spinal.....	35	.46	.05	.17	3	7	9	6	10	15	12	13	2	2	1	1	2	2	2	2	2	2				
spinal.....	247	4.56	.75	1.16	76	67	49	55	143	104	125	129	3	6	2	4	5	3	4	3	3	3				
Epilepsy.....	26	.49	.08	.13	11	4	6	5	15	11	17	9	1	2	1	3	3	2	2	2	2	2				
Insanity (organic brain disease).....	71	1.31	.25	.26	40	9	19	3	49	22	59	12	2	1	1	3	3	2	2	2	2	2				
Inflammation of brain.....	4	.07	.01	.02	2	2	2	2	2	2	4	7	1	1	1	1	1	1	1	1	1	1				
Softening of brain.....	13	.24	.05	.03	6	4	3	3	10	3	6	7	1	1	1	1	1	1	1	1	1	1				
Congestion of brain.....	35	.64	.11	.17	12	8	5	10	20	15	27	18	1	1	1	3	3	3	3	3	3	3				
Atrophy of brain.....	5	.09	.02	.05	3	3	3	1	4	4	4	4	1	1	1	1	1	1	1	1	1	1				
Gela of brain.....	3	.05	.02	.02	3	2	1	1	3	3	3	3	1	1	1	1	1	1	1	1	1	1				
Tumor of brain.....	3	.07	.02	.01	1	1	1	1	3	3	3	3	1	1	1	1	1	1	1	1	1	1				
Chorea.....	2	.04	.01	.01	1	1	1	1	3	3	3	3	1	1	1	1	1	1	1	1	1	1				

116	2.14	.20	.29	9	33	45	38	78	62	54	3	2	1	8	4	...	3			
Convulsions.....																				
Tetanus nascentium.....																				
Paralysis.....																				
Hemiplegia.....																				
Paraplegia.....																				
Cerebral embolism.....																				
Locomotor ataxia.....																				
Stroke (insolation).....																				
Tetanus (idiopathic).....																				
Myelitis.....																				
Hydrophobia.....																				
Cerebral thrombus.....																				
Neurasthenia.....																				
Cerebral syphilis.....																				
Spinal hemorrhage.....																				
Cerebral neuralgia.....																				
Total nervous system.....	749	13.83	2.14	3.79	243	169	173	164	412	337	416	333	16	13	14	22	21	7	16	14
Order 2.—Circulatory organs.																				
Valvular diseases of the heart.....																				
Endocarditis.....	307	5.68	.82	1.67	92	67	59	89	159	148	151	156	2	3	7	10	1	3	8	11
Pericarditis.....	18	.33	.07	.05	6	8	3	1	14	4	9	9	1	1	1	3	1	...	...	...
Fatty degeneration of heart.....	5	.09	.01	.05	1	1	3	1	1	4	4	4	1	1	1	1	1	1	1	1
Dilatation of heart.....	15	.28	.05	.05	5	6	5	4	11	4	5	10	...	...	...	...	...	...	...	...
Cardiac hypertrophy.....	17	.82	.05	.07	6	5	4	2	11	6	10	7	1	1	1	1	1	1	1	1
Angina pectoris.....	11	.20	.04	.02	5	4	...	2	9	2	5	6	...	...	...	...	...	...	...	...
Cardiac pectoris.....	24	.44	.12	.02	12	10	...	2	22	2	12	1	1	1	1	1	1	1	1	1
Paralysis of heart.....	1	.02	...	.01	...	...	1	...	...	1	1	...	...	...	...	...	...	...	...	...
Cardiac thrombosis.....	2	.04	.01	...	...	2	...	...	2	...	...	2	2	2	2	2	2	2	2	2
Heart disease (unfamed).....	3	.05	.01	.01	1	1	...	1	2	1	1	2	1	1	1	1	1	1	1	1
Aortic obstruction.....	12	.22	.04	.03	5	4	1	2	9	3	6	6	1	1	1	1	1	1	1	1
Coronary disease.....	6	.11	.03	.02	1	3	...	2	4	2	1	5	...	...	...	...	...	...	...	...
Cardiac dropsy.....	9	.16	...	.10	...	4	5	...	9	4	5	...	...	...	...	...	...	...	...	...
Carditis.....	1	.02	...	.02	...	1	1	...	1	1	1	1	1	1	1	1	1	1	1	1
Aneurysm of aorta.....	5	.09	.02	.02	2	1	...	2	3	2	2	3	2	2	2	2	2	2	2	2
Myocarditis.....	5	.09	.03	.01	2	2	1	1	4	4	1	3	2	2	2					

Convulsions	1	1	1	4	5	8	3	8	14	2	2	1	1	2	3	3	8	3	6	12	8	4	2	4	4
Trismus nascentium	1	1	1	1	2	1	1	2	2	1	1	1	1	1	2	4	1	1	1	2	4	1	1	1	4
Paralysis	1	1	1	1	2	2	1	1	2	1	1	1	1	1	1	3	1	1	1	5	1	1	1	1	
Hemiplegia	1	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	1	6	1	1	1	1	1	
Paraplegia	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	3	1	1	1	1	1	
Cerebral embolism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Locomotor ataxia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Stroke (insolation)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Tetanus (idiopathic)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Myelitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Hydrophobia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Cerebral thrombus	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Neurasthenia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Cerebral syphilis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Spinal hemorrhage	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Cerebral neuralgia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Total nervous system	20	17	13	17	57	37	43	53	21	11	9	7	19	14	15	10	16	18	23	13	56	43	47	30	29
Total nervous system	20	17	13	17	57	37	43	53	21	11	9	7	19	14	15	10	16	18	23	13	56	43	47	30	29
Total nervous system	20	17	13	17	57	37	43	53	21	11	9	7	19	14	15	10	16	18	23	13	56	43	47	30	29
Total nervous system	20	17	13	17	57	37	43	53	21	11	9	7	19	14	15	10	16	18	23	13	56	43	47	30	29
Total nervous system	20	17	13	17	57	37	43	53	21	11	9	7	19	14	15	10	16	18	23	13	56	43	47	30	29
Total nervous system	20	17	13	17	57	37	43	53	21	11	9	7	19	14	15	10	16	18	23	13	56	43	47	30	29
Total nervous system	20	17	13	17	57	37	43	53	21	11	9	7	19	14	15	10	16	18	23	13	56	43	47	30	29
Total nervous system	20	17	13	17	57	37	43	53	21	11	9	7	19	14	15	10	16	18	23	13	56	43	47	30	29
Total nervous system	20</																								

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TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

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TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.		AGE OF DECEDENT.																50 to 60 years.				60 to 70 years.			
		5 to 10 years.				10 to 20 years.				20 to 30 years.				30 to 40 years.				40 to 50 years.				50 to 60 years.			
		W.	C.	M.	F.	W.	C.	M.	F.	W.	C.	M.	F.	W.	C.	M.	F.	W.	C.	M.	F.	W.	C.	M.	F.
CLASS II.—CONSTITUTIONAL DISEASES.																									
Order 2.— <i>Tubercular.</i>																									
Scrofula.....	1	4	3	8	25	49	54	56	51	56	35	30	32	24	23	13	25	17	27	16	11	12	13	13	7
Phthisis pulmonalis.....	1	2	1	1	7	7	4	8	14	5	5	1	1	3	1	1	1	3	1	5	1	2	2	1	1
Tuberculosis.....	1	1	2	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Marasmus.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tubercular meningitis.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
peritonitis.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
osteomyelitis.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
osteitis.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
osteomyelitis.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
osteitis.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hydrocephalus.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tubercular laryngitis.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rickets.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Lumbar abscess.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tubercular mesenterica.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pott's disease (kyphosis).....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total tubercular.....	2	6	9	7	10	32	50	65	67	63	41	31	37	25	24	14	29	19	33	17	13	14	14	15	9
Total constitutional diseases.....	3	6	10	9	10	33	50	65	70	67	63	45	41	38	31	32	36	32	29	46	38	17	24	30	37
CLASS III.—LOCAL DISEASES.																									
Order 1.— <i>Nervous system.</i>																									
Meningitis, cerebro-spinal.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
spinal.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
Apoplexy.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
Epilepsy.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
Insanity (organic brain disease).....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
Inflammation of brain.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
Softening of brain.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
Congestion of brain.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
Abscess of brain.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
Edema of brain.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
Tumor of brain.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1
Chorea.....	1	1	3	1	2	1	3	1	3	2	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1

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Order 2.—Circulatory organs.

Valvular diseases of the heart.....	1	2	2	1	4	2	1	3	5	5	1	4	4	3	7	16	8	11	7	16	17	12	17	17	30	17	16	13	
Endocarditis.....	1																												
Pericarditis.....		1					1	1	1				1	1	1		3	1			1	1	1	2					
Fatty degeneration of heart.....																													
Dilatation of heart.....																													
Cardiac hypertrophy.....				1					1				1	1	1		1			2	1	2	2	1	2	1			
Angina pectoris.....									1			1												1	2	2			
Paralysis of heart.....												1	2			8	1	1			2	1	2	2	1	2			
Cardiac thrombosis.....						1																							
Cardiac embolism.....																													
Heart disease (undefined).....																1													
Aortic obstruction.....																													
Cardiac dropsy.....												2			1														
Carditis.....			1	1																									
Aneurism of aorta.....																													
Mycarditis.....																													
Cardiac asthma.....								1																					
Total circulatory organs.....	1	3	3	2	5	4	2	4	6	7	2	5	4	10	10	19	10	15	8	25	33	18	24	18	43	28	17	21	
Order 3.— <i>Respiratory organs.</i>																													
Pneumonia.....	5	2	5	9	2	4	3	4	5	6	8	11	13	8	13	3	4	9	5	5	4	11	10	13	17	8	6	6	
Bronchitis.....				1							1	1	1		1	1		1	1	2	2	4	3	1	2	2	4	2	
Pulmonary congestion.....	1								2	1	1	1	2		1	1	1	1	1	1	1	1	2	1	1	4	1	1	
Asthma.....																													
Pleurisy.....								1																					
Edema of lungs.....																													
Laryngitis.....	2	1																											
Abscess of lungs.....													2		1														
Pulmonary hemorrhage.....																													
Pulmonary embolism.....																													

Order 3.—*Respiratory organs.*

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TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	Total deaths from each cause.	Per cent of each cause to total mortality.	DEATH RATE.		RECAPITULATION.										1897.					
			Deaths per 1,000 inhabitants.		Total by color and sex.					Total by sex.					July.		August.			
			W.	C.	W.		C.			M.	F.	C.	M.	F.	W.	C.	W.	C.		
					M.	F.	M.	F.	M.										F.	
CLASS III.—LOCAL DISEASES.																				
Order 3.— <i>Respiratory organs.</i>																				
Hemiphtisis.....	2	.04			1	1			2		1	1								
Catarrh of lungs.....	1	.02	.01		1				1		1									
Laryngismus stridulus.....	3	.06	.02		1	2			3		1	2								
Spasm of glottis.....	1	.02	.01								1									
Pulmonary gangrene.....	2	.04	.01		2				2		2									
Hydro-pneumothorax.....	1	.02						1												
Total respiratory organs.....	668	12.34	1.67	3.91	160	161	190	157	321	347	350	318	6	3	7	3	4	5	8	7
Order 4.— <i>Digestive organs.</i>																				
Dentition.....	15	.23	.04	.08	6	2	2	5	8	7	8	7	1							
Gastritis.....	39	.72	.15	.10	15	15	5	4	30	9	20	19	2	1						
Enteritis.....	50	.92	.21	.31	9	13	17	11	22	28	26	24	2	3	5	3	1	3	4	
Gastro-enteritis.....	79	1.45	.21	.44	16	24	21	18	40	39	37	42	3	6	3	5	1	1	1	3
Gastro catarrh.....	7	.13	.02	.05		3	1	3	3	4	1	6								
Gastro-intestinal catarrh.....	19	.35	.05	.10	4	6	3	6	10	9	7	12	1							
Gastro-intestinal ulcer.....	15	.28	.04	.07	5	4	4	2	9	6	9	6								
Indigestion.....	17	.32	.06	.05	5	7	3	2	12	5	8	9								
Colitis.....	4	.07	.01	.02	1	1	1	1	2	2	2	2			1	1	1			
Peritonitis.....	20	.37	.04	.13	2	7	3	8	9	11	5	15								
Hepatitis.....	6	.11	.02	.03	1	2	1	2	3	3	2	4								
Enteric catarrh.....	14	.26	.02	.12	3	1	7	3	4	10	10	10	4	1						
Obstruction of the liver.....	26	.49	.07	.15	5	8	8	5	13	13	13	13			2	1				
Cirrhosis of the liver.....	32	.61	.12	.10	19	5	7	2	24	9	26	7	1		2					
Abscess of the liver.....	8	.16	.04	.02	5	2	2		7	2	7	2			2					
Atrophy of liver.....	1	.02																		
Hypertrophy of liver.....	6	.11	.03	.01	1	4	1	1	5	1	2	1								
Hernia (strangulated).....	13	.24	.03	.09	1	4	6	2	5	8	7	4								
Appendicitis and typhlitis.....	18	.32	.07	.03	8	7	2	1	15	3	10	8			1					
Intussusception.....	7	.13	.02	.03	3	1	2	1	4	3	5	2			1					
Intestinal paralysis.....	2	.04	.01	.01							1	1			1					
Fistula in ano.....	2	.04	.01		1	1	1		2	1	1	1								
Enlarged spleen.....	1	.02	.01								1	1								
Jaundice.....	3	.05	.01	.02		1	1	2	1	2	1	3								

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TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	Total deaths from each cause.	Per cent of each cause to total mortality.	DEATH RATE.		RECAPITULATION.										1897.					
			Deaths per 1,000 inhabitants.		Total by color and sex.					Total by color.					July.			August.		
			W.	C.	W.	M.	F.	C.	W.	M.	F.	C.	W.	C.	W.	C.	W.	C.		
CLASS III.—LOCAL DISEASES.																				
Order 8.—Integumentary.																				
Pelvic abscess.....	6	.11	.020			4	1	1			2	1	5	1						
Abdominal tumors.....	1	.02	.005			1				1			1							
Synovitis of knee.....	1	.02	.005			1					1		1							
Sarcomata.....	2	.11	.020	.02		4	1	1			2	5	1							
Tumor of neck.....	2	.04	.010			2					2	2	1							
Fungal abscess.....	2	.04	.005	.01							1	1	1							
Total integumentary.....	18	.34	.065	.06		7	6	2	3	13	5	9	9	1						
Total local diseases.....	2,634	48.65	7.71	13.05	783	682	592	567	1,475	1,259	1,375	1,159	49	43	51	49	52	41	43	
CLASS IV.—DEVELOPMENTAL.																				
Order 1.—Children.																				
Premature birth.....	134	2.47	.369	.71	42	29	36	27	71	63	78	56	6	1	1	3	7	3	7	
Congenital debility.....	51	.94	.135	.28	11	15	11	14	26	25	22	29	1	1			3	3		
Open foramen ovale.....	8	.15	.015	.06	1	2	3	2	3	5	4	4								
Cyanosis.....	3	.05	.005	.02	1				2	2	1	2	1			1				
Atelectasis.....	5	.09	.010	.03	2				2	2	3	4	1							
Cerebral hemorrhage.....	6	.11	.005	.06		1	1		1	5	3	3			1					
Spina bifida.....	2	.04	.010		1	1			2	1	1	1	1							
Abdominal deformity.....	1	.02	.01				1			1										
Asphyxia.....	3	.05	.015		3				3		3									
Anencephalia.....	3	.05	.005								3									
Icterus neonatorum.....	2	.02	.005	.01	1	1			1	1			1							
Coiled cord.....	1	.02	.005		1				1	1			2	1						
Heart failure.....	1	.02	.005						1		1									
Prolonged labor (dystocia).....	11	.20	.031	.06	2	4	1	4	6	5	3	1								
Imperforate anus.....	1	.02	.005						1		3	8								
Malformation of heart.....	2	.04	.005	.01	1	1			1	1	1		2							
Omphalitis.....	1	.02	.01				1		1	1	1									
Total diseases of children.....	233	4.30	.625	1.26	66	55	58	54	121	112	124	109	8	4	3	4	10	6	7	

Order 2.—*Women.*

Puerperal convulsions.....	10	.19	.021	.07	4	6	4	6	10	2	1	1	1
fever.....	3	.05	.005	.02	1	2	2	2	3	1	1	1	1
peritonitis.....	5	.09	.016	.02	3	3	3	3	5	1	1	1	1
septicæmia.....	10	.19	.036	.03	7	3	7	3	10	1	1	1	1
Placenta previa.....	3	.05	.005	.02	1	2	1	2	3	1	1	1	1
Parturition.....	6	.09	.026	.01	3	1	5	1	6	2	1	1	1
Abortion.....	9	.16	.026	.05	5	4	5	4	9	1	1	1	1
Endometritis.....	3	.05	.016	.02	3	3	3	3	5	1	1	1	1
Uterine hemorrhage.....	7	.13	.026	.02	5	2	5	2	7	1	1	1	1
Pelvic hæmatocele.....	1	.02	.02	.02	1	1	1	1	1	1	1	1	1
False pregnancy.....	5	.09	.015	.02	3	2	3	2	5	1	1	1	1
Mania following operation.....	2	.04	.005	.01	1	1	1	1	2	1	1	1	1
Prolonged labor.....	1	.02	.005	.01	1	1	1	1	1	1	1	1	1
Chlorosis.....	1	.02	.005	.01	1	1	1	1	1	1	1	1	1
Total diseases of women.....	66	1.20	.203	.31	39	27	39	27	66	7	4	4	3
Order 3.— <i>Old age.</i>													
Senility.....	188	3.47	.694	.62	50	21	133	55	71	4	9	1	2
Senile gangrene.....	7	.13	.006	.02	3	2	3	2	3	4	1	1	1
dementia.....	2	.04	.005	.01	1	1	1	1	2	1	1	1	1
bronchitis.....	1	.02	.005	.01	1	1	1	1	1	1	1	1	1
Total old age.....	198	3.66	.730	.65	55	22	140	58	77	121	4	9	1
Order 4.— <i>Nutrition.</i>													
General debility.....	10	.20	.040	.03	4	3	7	3	4	6	2	1	1
Total nutrition.....	10	.20	.040	.03	4	3	7	3	4	6	2	1	1
Total developmental diseases.....	507	9.36	1.60	2.25	125	80	307	200	302	12	20	4	12
CLASS V.— <i>VIOLENCE.</i>													
Order 1.— <i>Accidents and negligence.</i>													
Drowning.....	35	.36	.068	.25	13	22	13	22	35	4	5	2	3
Falls.....	26	.48	.104	.06	5	3	2	21	19	7	1	1	1
Steam railway.....	12	.22	.057	.01	10	1	11	5	11	1	1	2	1
Street railway.....	5	.09	.021	.01	4	1	4	1	5	2	1	1	1
Burns and scalds.....	15	.28	.047	.07	7	2	9	6	11	2	4	1	1
Inhalation of illuminating gas.....	2	.04	.010	.02	2	1	2	2	2	2	2	2	2
Traumatic peritonitis.....	1	.02	.005	.01	1	1	1	1	1	1	1	1	1
septicæmia.....	2	.04	.010	.02	2	1	2	2	2	2	2	2	2
tetanus.....	5	.09	.021	.01	4	1	4	1	5	2	1	1	1
Kick by horse.....	3	.05	.010	.02	2	1	2	2	3	4	1	1	1
Concussion of brain.....	4	.07	.016	.02	1	2	1	2	2	2	2	2	2

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

[illegible]

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc., etc.—Continued.

[illegible]

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	SOCIAL RELATIONS.						NATIVITY.													
	Widow or wid- ower.			Unknown.			District of Columbia.				Other parts of United States.				Foreign.				Unknown.	
	W.	C.	F.	M.	F.	M.	W.	C.	F.	M.	F.	W.	C.	F.	M.	F.	W.	C.		
	M.	F.	M.	F.	M.	F.	M.	W.	C.	F.	M.	F.	M.	W.	C.	F.	M.	F.		
CLASS III.—LOCAL DISEASES.																				
Order 8.—Integumentary.																				
Pelvic abscess.....	1																			
Abdominal tumors.....																				
Skin cancer.....																				
Sarcoma of knee.....																				
Sarcoma.....																				
Tumor of neck.....																				
Pneumonia.....																				
Pneumonia.....																				
Total integumentary	1						1		2			336	281	275	275	156	140			
Total local diseases.....	106	211	58	124			292		271	317	292									
CLASS IV.—DEVELOPMENTAL.																				
Order 1.—Children.																				
Premature birth.....																				
Constitutional debility.....																				
Open fontanelle.....																				
Cyanosis.....																				
Atelecasis.....																				
Emphysema.....																				
Spina bifida.....																				
Abdominal deformity																				
Asplasia.....																				
Icterus neonatorum.....																				
Coiled cord.....																				
Heart failure.....																				
Prolonged labor (dystocia).....																				
Imperforate anus.....																				
Malformation of heart.....																				
Omphalocele.....																				
Total diseases of children							60		55	58	54									

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	Total deaths from each cause.	Per cent of each cause to total mortality.	DEATH RATE.		RECAPITULATION.										1897.					
			Deaths per 1,000 inhabitants.		Total by color and sex.				Total by color.		Total by sex.		July.			August.				
			W.	C.	W.		C.		W.	C.	M.	F.	W.	C.	M.	F.	M.	F.		
					M.	F.	M.	F.												
CLASS V.—VIOLENCE.																				
Order 1.—Accidents and negligence.																				
Narcotic poison.....	7	.13	.030	.01	5	1	1		6	1	6	1				1		1		
Fracture of spinal column.....	3	.05	.010	.01	2	2		1	1	2	1	1								
Shock from traumatism.....	4	.07	.016	.01	2	1	1		3	1	3	1								
Fracture of skull.....	11	.20	.052	.01	7	3	1		10	1	8	3								
Negligence.....	1	.02	.01	.05								1								
Smothered.....	4	.07		.05			3	1		4		3	1							
Fracture of hip.....	1	.02	.005		1				1		1									
Crushed in sewer excavation.....	1	.02	.005		1	1			1		1									
Asphyxia.....	3	.05	.005	.02	1		1	1	1	2	1	2	1							
Mushroom poisoning.....	1	.02	.005						1		1									
Gunsnot.....	4	.07	.010	.02	2	1	1	1	2	2	3	1								
Rupture of diaphragm.....	1	.02	.005		1				1		1									
Poisoned by cocaine.....	1	.02	.005		1				1		1									
Fracture of femur.....	4	.07	.015	.01	1	2	1		3	1	2	2								
Rupture of intestines.....	2	.04	.005	.01	1		1		1	1	2	1								
Curative poisoning.....	1	.02	.005	.01			1		1	1		1								
Electric shock.....	1	.02	.005		1				1		1									
Total accidents and negligence.....	100	2.95	.520	.67	79	22	43	10	101	59	122	38	8	1	8	5	2	4	1	
Order 2.—Judicial execution.																				
Hanging.....																				
Total judicial execution.....																				
Order 3.—Homicides.																				
Fracture of skull (murder).....	9	.17	.016	.07	3		5	1	3	6	8	1			1					
Gunsnot.....	5	.09	.016	.02	2	1		2	3	2	2	3				1				
Incised wound of brain.....	1	.02	.01	.01				1		1		1								
Strangulation.....	1	.02	.01	.01			1			1		1								
Stab.....	2	.04	.010	.01	1	1			2		1	1								
Total homicides.....	18	.34	.042	.11	6	2	6	4	8	10	12	6			1		1			

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	1898.																							
	February.			March.			Total third quarter.			April.			May.			June.			Total fourth quarter.					
	W.	C.		W.	C.		W.	C.		W.	C.		W.	C.		W.	C.		W.	C.		W.	C.	
	M.	F.		M.	F.		M.	F.		M.	F.		M.	F.		M.	F.		M.	F.		M.	F.	
	1						1						1			1			2	1				
Narcotic poison.....																								
Fracture of spinal column.....																								
Shock from strangulation.....				1	1		1	1																
Fracture of skull.....	1						2	1					1			4			1	5				
Negligence.....																								
Smothered.....								2								1								
Fracture of hip.....																								
Crushed in sewer excavation.....																								
Asphyxia.....	1						1																	
Mushroom poisoning.....																1			1					
Gunshot.....							1						1						1					
Rupture of diaphragm.....							1																	
Poisoned by cocaine.....																								
Fracture of femur.....							1						1			1			1	1				
Rupture of intestines.....		1																						
Corrosive poison.....							1																	
Electric shock.....													1						1					
Total accidents and negligence.....	8	3	1	1	4	2	23	9	11	3	8	2	1	8	3	4	1	8	4	3	24	3	10	5
Order 2.—Judicial execution.																								
Hanging.....																								
Total judicial execution.....																								
Order 3.—Homicides.																								
Fracture of skull (murder).....				2	1		2									1			1					
Gunshot.....				1			1																	
Incised wound of brain.....																								
Strangulation.....		1																						
Stab.....																								
Total homicides.....		1		3		1	3		3	1						1		1	1	2		2	1	2

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	AGE OF DECEDENT.																		Per cent of each cause to total mortality under 5 years of age.		
	Under 1 year.			1 to 2 years.			2 to 3 years.			3 to 4 years.			4 to 5 years.			Total under 5 years.					
	W.		C.	W.		C.	W.		C.	W.		C.	W.		C.	W.		C.			
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			
CLASS V.—VIOLENCE.																					
Order 1.—Accidents and negligence.																					
Narcotic poison.....	1		1													1	1		2	.12	
Fracture of spinal column.....																		1		.06	
Shock from traumatism.....		1							1								1		1	.06	
Fracture of skull.....			1															1	1	.06	
Negligence.....			3			1												3	1	.21	
Run over.....																					
Fracture of hip.....																					
Crushed in sewer excavation.....																					
Asphyxia.....			1	1														1	1	.12	
Mushroom poisoning.....																		1		.06	
Gunshot.....																					
Rupture of diaphragm.....																					
Poisoned by cocaine.....																					
Fracture of femur.....																		1	1	.06	
Rupture of intestines.....																					
Corrosive poison.....																		1	1	.06	
Electric shock.....																					
Total accidents and negligence.....	1	2	6	2	1	1	1	1	1	3		1	1	1	2	3	5	10	7	25	1.40
Order 2.—Judicial execution.																					
Hanging.....																					
Total judicial execution.....																					
Order 3.—Homicides.																					
Fracture of skull (murder).....			3									1						3	1	4	.23
Gunshot.....																					
Inclosed wound of brain.....																					
Strangulation.....			1															1		1	.06
Stab.....																					
Total homicides.....			4									1						4	1	5	.29

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	SOCIAL RELATIONS.						NATIVITY.											
	Widow or widower.			Unknown.			District of Columbia.				Other parts of United States.				Foreign.			
	W.		C.	W.		C.	W.		C.	M.	F.	W.	M.	F.	W.	C.	Unknown.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
CLASS V.—VIOLENCE.																		
Order 1.—Accidents and negligence.																		
Narcotic poison.....																		
Fracture of spinal column.....				1														
Shock from traumatism.....							3											
Fracture of skull.....	1						2	1										
Negligence.....							5	2	1									
Smothered.....										3								
Fracture of hip.....	1																	
Fracture in sewer excavation.....																		
Asphyxia.....																		
Methuon poisoning.....																		
Gunshot.....																		
Rupture of diaphragm.....																		
Poisoned by cocaine.....																		
Fracture of femur.....																		
Rupture of intestines.....																		
Corrosive poison.....																		
Electric shock.....																		
Total accidents and negligence.....	8	10	5				31	10	16	8	32	9	27	8	16	3		
Order 2.—Judicial execution.																		
Hanging.....																		
Total judicial execution.....																		
Order 3.—Homicides.																		
Fracture of skull (murder).....																		
Gunshot.....							1			5	1	1						
Stabbed wound of brain.....												2	1					
Strangulation.....																		
Stab.....	1																	
Total homicides.....	1						2	1	6	1	3	1						

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death	Total deaths from each cause.	Per cent of each cause to total mor- tality.	DEATH RATE.		RECAPITULATION.										1897.							
			Deaths per 1,000 inhabitants.		Total by color and sex.					Total by color.		Total by sex.		July.			August.					
					W.		M.		F.		C.				W.		C.		W.		C.	
			W.	C.	M.	F.	M.	F.	M.	F.	W.	C.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
RECAPITULATION.																						
Violence:																						
Accidents and negligence.....																						
Judicial execution.....																						
Homicides.....																						
Suicides.....																						
Total violence.....																						
SUMMARY.																						
I. Zymotic.....																						
II. Constitutional.....																						
III. Local.....																						
IV. Developmental.....																						
V. Violence.....																						
Grand total from all causes, by sex and color.....																						
Total from all causes, by color.....																						
Percentages, by color, to total mortality.....																						
Death rate per 1,000 inhabitants, by color.....																						
Grand aggregate.....																						
Death rate per 1,000 inhabitants total population.....																						

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	1898.															Total fourth quarter.					
	February.			March.			Total third quarter.			April.			May.						June.		
	W.		C.	W.		C.	W.		C.	W.		C.	W.		C.				W.		C.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.				F.	M.	F.
RECAPITULATION.																					
Violence:																					
Accidents and negligence																					
Judicial execution																					
Homicides																					
Suicides																					
Total violence																					
SUMMARY.																					
I. Zymotic																					
II. Constitutional																					
III. Local																					
IV. Developmental																					
V. Violence																					
Grand total from all causes, by sex and color																					
Total from all causes, by color																					
Percentages, by color, to total mortality																					
Death rate per 1,000 inhabitants, by color																					
Grand aggregate																					
Death rate per 1,000 inhabitants total population																					

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	AGE OF DECEDENT.																				Per cent of each cause to total mortality under 5 years of age.				
	Under 1 year.				1 to 2 years.				2 to 3 years.				3 to 4 years.				4 to 5 years.					Total.			
	W.		C.		W.		C.		W.		C.		W.		C.		W.		C.						
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.					
RECAPITULATION.																									
Violence:																									
Accidents and negligence	1	2	6	2	1	1	1	1	3	1	3	1	1	1	1	2	2	3	5	10	7	25	1.40		
Judicial execution																							1.29		
Homicides																									
Suicides																									
Total violence	1	2	10	2	1	1	1	1	4	1	4	1	1	1	1	2	2	3	5	14	8	30	1.69		
SUMMARY.																									
I. Zymotic	82	85	112	103	20	20	20	19	10	10	8	17	14	4	9	8	5	5	131	127	154	152	564	31.59	
II. Constitutional	38	29	54	41	6	6	9	11	1	4	8	1	4	5	1	1	1	4	45	38	71	69	223	12.50	
III. Local	117	98	140	120	35	25	45	56	8	7	27	15	7	2	11	8	2	5	2	169	137	228	201	735	41.17
IV. Developmental	66	55	58	54	1	1	1	1	1	1	1	3	1	1	1	1	2	2	66	55	58	54	233	13.05	
V. Violence	1	2	10	2	1	1	1	1	1	1	1	3	1	1	1	2	2	3	3	5	14	8	30	1.69	
Grand total from all causes, by sex and color	304	269	374	320	62	52	74	87	18	18	40	43	21	7	25	22	9	16	12	414	362	525	484	1,785	100.00
Total from all causes, by color	573	694			114	161			36	83			28	47			25	24	776		1,009				
Percentages, by color, to total mortality	10.59	12.82			2.10	2.97			.66	1.53			.52	.87			.46	.44	14.33		18.63				32.96
Death rate per 1,000 inhabitants, by color	2.98	7.82			.60	1.81			.19	.93			.15	.53			.13	.27	4.05		11.36				
Grand aggregate	1,267				275				119				75				49		1,785						
Death rate per 1,000 inhabitants total population	4.52				.98				.42				.27				.18		6.37						

Death rate per 1,000 inhabitants total population..

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	AGE OF DECEDENT.															
	5 to 10 years.		10 to 20 years.		20 to 30 years.		30 to 40 years.		40 to 50 years.		50 to 60 years.		60 to 70 years.			
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
RECAPITULATION.																
Violence:																
Accidents and negligence.....	2	2	3	2	8	6	19	11	18	1	5	1	10	2	3	2
Industrial execution.....																
Homicides.....																
Suicides.....																
Total violence.....	2	2	3	2	10	6	19	11	18	1	5	1	10	2	3	2
SUMMARY.																
I. Zymotic.....	16	12	15	16	12	11	15	28	9	5	18	12	20	9	4	8
II. Constitutional.....	3	6	10	19	10	23	50	65	70	67	63	43	41	38	31	32
III. Local.....	12	10	18	16	19	25	18	25	38	53	31	38	49	63	47	48
IV. Developmental.....																
V. Violence.....	2	2	3	2	10	6	19	11	18	1	5	1	10	2	3	2
Grand total from all causes, by sex and color.	33	24	42	46	50	47	68	96	146	156	116	132	145	102	89	119
Total from all causes, by color.....	57	88	97	164	302	248	278	191	230	204	341	215	404	169		
Percentages, by color, to total mortality.....	1.05	1.62	1.78	3.03	5.58	4.53	5.13	3.52	4.25	3.77	6.30	4.05	7.47	3.12		
Death rate per 1,000 inhabitants, by color.....	.30	1.	.50	1.85	1.58	2.80	1.46	2.15	1.20	2.30	1.78	2.42	2.11	1.90		
Grand aggregate.....	145		261		550		469		434		556		573			
Death rate per 1,000 inhabitants total population..	.51		.93		1.96		1.67		1.55		1.98		2.05			

TABLE I.—Showing total number of deaths occurring in the District of Columbia, etc.—Continued.

Cause of death.	AGE OF DECEDENT.												SOCIAL RELATIONS.											
	70 to 80 years.						80 to 90 years.						90 to 100 years.						Unknown age.					
	W.			C.			W.			C.			W.			C.			W.			C.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
RECAPITULATION.																								
Violence:																								
Accidents and negligence.....																								
Judicial execution.....																								
Homicides.....																								
Suicides.....																								
Total violence																								
SUMMARY.																								
I. Zymotic																								
II. Constitutional																								
III. Local																								
IV. Developmental																								
V. Violence																								
Grand total from all causes, by sex and color.....																								
Total from all causes, by color.....																								
Percentages, by color, to total mortality.....																								
Death rate per 1,000 inhabitants, by color.....																								
Grand aggregate.....																								
Death rate per 1,000 inhabitants total population.....																								

TABLE II.—Statement showing the mortality from eleven prominent diseases, by months, during the decade ended June 30, 1898.

Diseases.	Janu-ary.	Febru-ary.	March.	April.	May.	June.	July.	Aug-ust.
Pneumonia	713	653	732	608	289	270	88	108
Bronchitis	205	190	221	149	107	77	72	50
Congestion of the lungs	154	119	124	103	75	37	31	23
Phthisis pulmonalis	671	671	665	676	625	521	563	508
Diphtheria	97	67	51	45	61	82	82	109
Scarlet fever	32	38	66	64	51	39	7	18
Measles	53	86	83	52	28	15	14	3
Whooping cough	57	47	46	42	52	90	120	107
Diarrheal diseases	53	39	51	46	93	1,105	1,510	884
Typhoid fever	93	60	66	65	63	112	156	206
Tuberculosis	65	63	66	64	79	67	73	86

Diseases.	Septem-ber.	Octo-ber.	Novem-ber.	Decem-ber.	Total.	Monthly average.	Month of maximum intensity.
Pneumonia	116	218	319	429	4,543	379.4	March.
Bronchitis	56	82	92	138	1,493	124.4	Do.
Congestion of the lungs	34	69	71	93	933	77.7	January.
Phthisis pulmonalis	531	592	535	614	7,172	596.0	April.
Diphtheria	170	184	164	152	1,264	105.3	October.
Scarlet fever	12	11	15	15	368	30.7	March.
Measles	4	2	1	18	340	28.3	February.
Whooping cough	81	48	21	39	750	62.5	July.
Diarrheal diseases	496	230	60	53	4,620	385.0	Do.
Typhoid fever	296	293	203	268	1,880	156.6	Sept.-Oct.
Tuberculosis	61	80	68	61	833	69.4	August.

TABLE III.—Deaths under 1 year of age, arranged by months, for year ended June 30, 1898.

	1 day and under.	1 day to 1 week.	1 week to 1 month.	1 to 2 months.	2 to 3 months.	3 to 4 months.	4 to 5 months.	5 to 6 months.	6 to 7 months.	7 to 8 months.	8 to 9 months.	9 to 10 months.	10 to 11 months.	11 to 12 months.	Total.	Total by color.
July, 1897:																
White males	4	1	7	3	4	3	2	7	5	4	1	2	1	0	44	84
females	1	4	1	2	4	5	2	2	9	6	2	1	1	0	40	
Colored males	2	1	5	3	7	5	3	1	5	0	2	1	4	3	42	97
females	3	4	4	5	3	6	5	2	7	6	4	4	0	2	55	
Total	10	10	17	13	18	19	12	12	26	16	9	8	6	5	181	.....
August, 1897:																
White males	3	4	5	2	5	1	1	3	4	1	0	1	0	1	31	51
females	0	2	3	1	1	3	2	0	1	1	2	0	2	2	20	
Colored males	6	3	6	4	6	2	2	3	4	0	3	2	0	4	45	77
females	3	2	3	0	1	3	2	3	4	3	2	0	1	5	32	
Total	12	11	17	7	13	9	7	9	13	5	7	3	3	12	128	.....
September, 1897:																
White males	2	3	2	2	0	0	0	3	2	1	2	0	1	2	20	56
females	3	3	0	5	4	2	4	2	3	3	3	2	0	2	36	
Colored males	3	2	6	2	3	7	1	2	2	4	2	3	0	1	38	71
females	5	1	7	6	1	1	3	1	1	4	3	0	0	0	33	
Total	13	9	15	15	8	10	8	8	8	12	10	5	1	5	127	.....
October, 1897:																
White males	3	3	4	6	3	2	1	1	0	1	0	2	0	3	29	45
females	3	3	2	0	0	0	0	3	0	1	1	1	1	1	16	
Colored males	4	3	4	1	3	3	2	1	1	2	0	1	2	1	28	43
females	0	1	5	2	2	1	2	0	0	0	0	0	1	1	15	
Total	10	10	15	9	8	6	5	5	1	4	1	4	4	6	88	.....

TABLE III.—Deaths under 1 year of age, arranged by months, for year ended June 30, 1898—Continued.

	1 day and under.	1 day to 1 week.	1 week to 1 month.	1 to 2 months.	2 to 3 months.	3 to 4 months.	4 to 5 months.	5 to 6 months.	6 to 7 months.	7 to 8 months.	8 to 9 months.	9 to 10 months.	10 to 11 months.	11 to 12 months.	Total.	Total by color.
November, 1897:																
White males.....	6	4	3	2	2	1	2	2	0	1	0	0	0	1	24	43
White females.....	7	3	1	0	1	0	2	1	1	2	1	0	0	0	19	
Colored males.....	1	3	7	2	2	3	1	2	0	2	0	0	0	1	24	
Colored females.....	2	3	4	2	2	0	1	0	0	0	0	0	0	1	15	
Total.....	16	13	15	6	7	4	6	5	1	5	1	0	0	3	82	
December, 1897:																
White males.....	5	1	2	2	0	2	0	1	1	0	2	0	2	1	19	34
White females.....	2	0	2	0	2	1	1	0	3	1	1	1	1	0	15	
Colored males.....	5	7	3	2	1	1	3	2	1	0	2	2	0	1	30	
Colored females.....	3	4	3	3	1	3	6	1	3	2	1	0	1	0	31	
Total.....	15	12	10	7	4	7	10	4	8	3	6	3	4	2	95	
January, 1898:																
White males.....	2	3	7	2	0	2	2	1	0	0	0	0	0	0	19	40
White females.....	3	0	8	0	2	2	1	1	0	0	1	0	0	3	21	
Colored males.....	3	2	3	0	2	5	1	1	3	2	1	1	0	0	24	
Colored females.....	2	4	0	3	0	1	2	1	2	1	2	1	1	0	20	
Total.....	10	9	18	5	4	10	6	4	5	3	4	2	1	3	84	
February, 1898:																
White males.....	1	0	0	5	0	0	2	0	2	1	3	0	0	0	14	31
White females.....	4	2	0	0	2	0	1	1	1	3	2	0	1	0	17	
Colored males.....	3	2	3	4	3	2	1	3	3	0	2	3	1	1	31	
Colored females.....	2	2	1	2	0	0	0	1	4	1	0	0	0	0	13	
Total.....	10	6	4	11	5	2	4	5	10	5	7	3	2	1	75	
March, 1898:																
White males.....	6	3	8	1	0	2	4	1	2	1	1	1	0	1	31	47
White females.....	3	1	3	1	2	0	2	0	0	0	2	1	0	1	16	
Colored males.....	1	4	4	2	0	1	1	2	2	0	2	1	0	0	20	
Colored females.....	5	4	0	3	0	1	2	1	4	1	1	1	0	1	24	
Total.....	15	12	15	7	2	4	9	4	8	2	6	4	0	3	91	
April, 1898:																
White males.....	6	4	0	0	1	0	0	1	1	0	0	0	0	1	14	20
White females.....	0	0	1	0	1	1	0	0	0	0	0	2	1	0	6	
Colored males.....	2	3	1	3	2	4	2	1	0	0	0	1	0	1	20	
Colored females.....	5	1	0	0	2	0	1	2	0	0	3	0	1	2	17	
Total.....	13	8	2	3	6	5	3	4	1	0	3	3	2	4	57	
May, 1898:																
White males.....	3	0	2	0	0	3	1	0	0	1	2	0	2	1	15	35
White females.....	5	4	3	1	0	1	3	1	0	1	0	0	0	1	20	
Colored males.....	6	3	4	2	3	4	2	1	1	0	0	1	2	1	30	
Colored females.....	3	4	2	1	0	0	0	1	2	3	0	0	0	1	17	
Total.....	17	11	11	4	3	8	6	3	3	5	2	1	4	4	82	
June, 1898:																
White males.....	2	0	1	2	4	2	5	9	2	3	5	7	1	1	44	77
White females.....	2	1	5	2	7	2	3	2	1	3	2	0	2	1	33	
Colored males.....	2	3	3	6	6	4	5	3	5	3	4	1	4	1	50	
Colored females.....	2	4	2	5	2	7	5	7	3	3	5	3	1	1	50	
Total.....	8	8	11	15	19	15	18	21	11	10	15	14	5	7	177	

RECAPITULATION.

Ages.	Grand total.	Per cent to total mortality.	White males.		White females.		Colored males.		Colored females.	
			Total.	Per cent to total mortality.	Total.	Per cent to total mortality.	Total.	Per cent to total mortality.	Total.	Per cent to total mortality.
1 day and under	149	11.76	43	14.14	33	12.74	38	9.95	35	10.87
1 day to 1 week	119	9.39	26	8.55	23	8.88	36	9.43	34	10.56
1 week to 1 month	150	11.84	41	13.48	29	11.20	49	12.83	31	9.63
1 to 2 months	102	8.05	27	8.88	12	4.63	31	8.12	32	9.94
2 to 3 months	97	7.66	19	6.25	26	10.05	38	9.95	14	4.35
3 to 4 months	99	7.81	18	5.92	17	6.57	41	10.71	23	7.14
4 to 5 months	94	7.42	20	6.58	21	8.11	24	6.28	29	9.00
5 to 6 months	84	6.63	29	9.56	13	5.03	22	5.76	20	6.22
6 to 7 months	95	7.50	19	6.25	19	7.30	27	7.06	30	9.32
7 to 8 months	70	5.52	14	4.60	21	8.11	11	2.88	24	7.45
8 to 9 months	71	5.60	16	5.26	17	6.56	17	4.45	21	6.52
9 to 10 months	50	3.95	13	4.28	8	3.09	20	5.24	9	2.79
10 to 11 months	32	2.53	7	2.30	9	3.48	10	2.62	6	1.86
11 to 12 months	55	4.34	12	3.95	11	4.25	18	4.72	14	4.35
Total	1,267	100.00	304	100.00	259	100.00	382	100.00	322	100.00
Total by color			563				704			

TABLE IV.—Number of deaths of children under 5 years old from the principal diseases of children for the year ended June 30, 1898.

Diseases.	White.		Colored.	
	Deaths.	Percentage of mortality under 5 years old.	Deaths.	Percentage of mortality under 5 years old.
Measles	6	0.77	1	0.09
Croup	2	.26	3	.27
Diphtheria	44	5.67	34	3.36
Scarlet fever	3	.38	1	.09
Typho-malarial fever			2	.18
Diarrheal diseases	133	17.15	143	14.17
Whooping cough	21	2.70	61	6.05
Inanition	15	1.90	11	1.09
Tubercular diseases (excluding consumption)	78	10.05	71	7.03
Consumption	5	.64	38	3.75
Acute diseases of brain	62	8	104	10.31
Convulsions	6	.77	14	1.39
Trismus nascentium	3	.38	3	.27
Bronchitis	13	1.67	45	4.46
Congestion of the lungs	12	1.54	5	.49
Pneumonia	85	1	129	12.88
Diseases of the digestive organs	71	9.15	100	9.91
Developmental diseases	121	15.59	112	11.10
Accidents and negligence	8	1.03	17	1.68
All other diseases	88	11.35	115	11.43
Total	776	100	1,009	100
Percentage of mortality, by color, under 5 years old	43.47		56.53	
Annual death rate, by color	4.05		11.36	

TABLE V.—Number dying 70 years of age and over during the year ended June 30, 1898.

Ages.	White.		Colored.		Total	Ages.	White.		Colored.		Total
	Male.	Female.	Male.	Female.			Male.	Female.	Male.	Female.	
70 years	25	21	13	14	73	87 years	3	7	2	6	18
71 years	22	17	1	2	42	88 years	3	6		2	11
72 years	16	16	4	6	42	89 years	1	3	1		5
73 years	11	18	5	3	37	90 years	7	5	3	4	19
74 years	18	10	4	3	35	91 years	1	3			4
75 years	20	17	6	12	55	92 years				1	1
76 years	18	17	3	3	41	93 years	1				1
77 years	19	16	3	4	42	94 years			1	2	3
78 years	9	16	2	5	32	95 years		1	1	3	5
79 years	15	19	3	7	44	96 years				1	1
80 years	6	7	1	5	19	97 years		1		2	3
81 years	7	9	1	1	18	98 years		1		3	4
82 years	6	9	1	1	17	99 years					
83 years	10	9	2	4	25	100 years and over				9	9
84 years	4	8	3	2	17						
85 years	3	7		5	15						
86 years	2	12		1	15						
						Total	227	255	60	111	653

TABLE VI.—Number and average ages, in years, of decedents dying from eighteen different diseases and from suicide during the year ended June 30, 1898.

Disease.	White.				Colored.			
	Male.		Female.		Male.		Female.	
	Total deaths.	Years.	Total deaths.	Years.	Total deaths.	Years.	Total deaths.	Years.
Consumption	309	43	358	43	342	30	325	28
Typhoid fever	41	37	30	35	23	23	36	27
Apoplexy	76	62	67	64	49	52	55	54
Insanity	40	60	9	41	19	52	3	55
Softening of brain	6	70	4	67			3	55
Paralysis, hemiplegia, and para-								
plegia	16	56	14	67	2	55	13	60
Cancers	43	61	75	54	8	52	34	53
Epilepsy	11	49	4	52	6	41	5	27
Diseases of the heart	126	57	103	53	78	42	110	50
Bright's disease and nephritis	80	57	74	50	41	39	35	39
Rheumatism	7	31	9	47			1	19
Aneurisms	2	55	1	65			2	65
Angina pectoris	12	59	10	58			2	45
Gastritis	15	53	15	44	5	20	4	40
Cirrhosis of the liver	19	64	5	47	7	49	2	50
Dropsy	1	70					2	35
Diabetes	9	62	8	51				
Hernia	1	55	4	67	6	53	2	35
Suicides	36	42	8	32	4	40	2	30

TABLE VII.—Number of deaths occurring in hospitals and other public institutions during the year ended June 30, 1893.

Hospitals, etc.	White.		Colored.		Total.
	Male.	Female.	Male.	Female.	
Baltimore and Potomac Railroad Depot	4	1			5
Baptist Home		1			1
Bathing Beach	3		3		6
Children's Hospital	23	7	14	14	58
Church Orphanage	1				1
Canal, Chesapeake and Ohio	3		3		6
Canal, James Creek	1		4		5
Columbia Hospital	8	12	6	21	47
Convent of Good Shepherd		1			1
Convent of Visitation		6			6
Emergency Hospital	29	4	8	6	47
Epiphany Church Home		1			1
Freedmen's Hospital	8		113	114	235
Garfield Memorial Hospital	40	32	21	6	99
Georgetown College	2				2
Government Hospital for the Insane	128	19	38	12	197
Home for the Aged	11	17	4	5	37
Home for Destitute Colored Women and Children				1	1
Home for Incurables	2	9			11
Louise Home		1			1
Lutheran Home		1			1
Marine Barracks	1				1
National Home			2	4	6
National Homeopathic Hospital	8	6	2	5	21
National Museum			1		1
Naval Hospital (United States)	2				2
Navy-Yard (United States)				1	1
Police stations	5	1	4		10
Potomac River	9		18		27
Prospect Hill Cemetery		1			1
Providence Hospital	81	46	6	10	146
St. Ann's Infant Asylum	9	12	9	10	40
Soldiers' Home	29	1	4		34
Truck D. Fire Department	1				1
War Department	1				1
Washington Asylum Hospital	25	16	52	23	116
Washington Barracks	2				2
Washington jail	2		2		2
Total	449	214	314	232	1,209

TABLE VIII.—Deaths and average ages for the year ended June 30, 1893.

WHITE MALES.

Months.	All ages.				5 years and over.				20 years and over.				40 years and over.			
	Total deaths.	Average ages.			Total deaths.	Average ages.			Total deaths.	Average ages.			Total deaths.	Average ages.		
		Years.	Months.	Days.		Years.	Months.	Days.		Years.	Months.	Days.		Years.	Months.	Days.
1897.																
July	129	23	3	16	77	47	0	9	73	49	0	0	45	61	7	6
August	109	32	7	20	70	50	6	25	64	54	0	22	51	60	0	0
September	127	36	4	12	96	47	5	7	89	50	3	15	53	64	6	24
October	129	40	4	27	97	53	6	5	93	55	5	9	71	63	1	2
November	133	39	11	1	98	58	10	26	91	59	3	24	77	61	5	23
December	126	36	0	0	97	49	4	0	89	52	9	12	65	61	0	11
1898.																
January	134	40	5	19	108	50	0	20	99	53	8	20	74	62	2	18
February	137	44	0	0	110	55	5	0	106	57	0	13	86	62	7	24
March	152	37	8	0	110	51	9	15	105	53	8	7	76	62	3	20
April	130	39	9	8	106	48	0	0	91	53	10	0	66	62	9	16
May	125	41	0	0	105	48	7	10	95	52	6	18	64	63	5	3
June	135	30	4	8	80	50	8	9	72	55	0	0	54	63	2	26
Total and mean...	1,566	37	2	26	1,154	51	0	10	1,067	53	10	21	782	62	4	8

TABLE VIII.—Deaths and average ages for the year ended June 30, 1898—Continued.

WHITE FEMALES.

1897.															
July.....	130	29	7	5	78	49	1	5	74	51	1	25	46	66	2
August.....	98	32	2	3	68	46	0	2	58	51	11	5	36	65	5
September.....	133	34	10	8	89	51	5	20	84	51	5	20	63	61	8
October.....	93	37	0	0	70	48	9	3	64	52	0	0	44	62	1
November.....	125	44	4	21	100	55	4	4	94	57	11	2	72	66	9
December.....	117	45	10	7	99	54	7	17	95	56	4	14	67	67	6
1898.															
January.....	119	40	3	9	92	51	11	3	85	55	1	16	63	63	5
February.....	113	40	6	0	88	51	8	21	83	54	4	18	61	63	6
March.....	126	45	6	2	102	56	0	22	99	57	4	4	75	65	7
April.....	112	45	7	10	99	50	9	9	93	54	0	16	66	63	6
May.....	118	36	0	24	89	47	5	19	78	52	3	19	50	66	0
June.....	123	33	0	0	82	49	1	5	76	51	10	22	50	62	4
Total and mean..	1,407	39	8	25	1,056	50	9	11	983	51	4	22	693	64	6

COLORED MALES.

1897.															
July.....	120	22	1	17	63	41	4	26	54	46	8	7	36	55	2
August.....	117	19	1	13	53	41	9	1	45	47	0	0	25	56	11
September.....	95	19	0	0	47	37	1	8	36	44	7	0	21	56	2
October.....	91	21	7	3	54	35	10	3	40	43	6	7	21	55	0
November.....	89	25	5	6	52	42	10	8	44	48	1	3	29	59	0
December.....	100	27	8	2	62	44	2	10	57	47	3	24	35	59	9
1898.															
January.....	88	27	0	28	56	42	2	9	48	47	1	7	29	59	6
February.....	91	30	10	12	47	44	0	21	40	49	8	12	28	56	3
March.....	103	26	5	10	65	41	1	24	59	44	2	16	37	53	7
April.....	92	28	0	4	60	42	4	26	50	48	3	4	36	55	8
May.....	95	17	0	0	49	32	0	15	37	48	0	0	15	57	6
June.....	128	18	8	2	64	36	6	28	51	43	5	19	31	54	4
Total and mean..	1,209	23	7	0	676	40	1	17	561	46	6	0	343	56	7

COLORED FEMALES.

1897.															
July.....	141	20	10	0	67	43	3	13	56	48	6	9	35	60	0
August.....	111	23	0	3	60	46	8	23	52	46	8	23	27	60	1
September.....	100	23	4	11	55	40	1	23	43	48	2	0	26	60	8
October.....	87	27	1	3	59	39	4	20	45	47	6	0	28	59	0
November.....	94	28	6	0	64	41	3	4	53	46	6	24	32	59	5
December.....	110	29	4	27	69	46	7	0	60	51	8	12	36	64	4
1898.															
January.....	87	30	8	24	60	44	2	6	47	53	0	23	34	63	0
February.....	95	33	6	0	74	42	10	0	60	49	11	18	41	60	9
March.....	99	27	7	16	63	43	0	0	53	48	2	4	32	59	9
April.....	86	25	4	11	55	40	0	0	42	47	1	0	25	61	10
May.....	101	29	0	0	71	40	9	19	53	50	5	6	38	60	0
June.....	122	20	0	20	59	40	2	10	48	46	9	7	30	57	2
Total and mean..	1,233	26	6	14	756	42	4	12	612	48	8	21	384	60	6

TABLE VIII.—Deaths and average ages for the year ended June 30, 1898—Continued.

RECAPITULATION.

White:																	
Male.....	1,566	37	2	26	1,154	51	0	10	1,067	53	10	21	782	62	4	8	
Female.....	1,407	39	8	25	1,056	50	9	11	983	51	4	22	693	64	6	12	
Total.....	2,973	38	5	26	2,210	50	10	25	2,050	52	7	21	1,475	63	5	10	
Colored:																	
Male.....	1,209	23	7	0	676	40	1	17	561	45	6	0	343	56	7	2	
Female.....	1,233	26	6	14	756	42	4	12	612	48	8	21	384	60	6	11	
Total.....	2,442	25	0	22	1,432	41	2	29	1,173	47	7	10	727	58	6	22	
White.....	2,973	38	5	26	2,210	50	10	25	2,050	52	7	21	1,475	63	5	10	
Colored.....	2,442	25	0	22	1,432	41	2	29	1,173	47	7	10	727	58	6	22	
Grand total.....	5,415	31	9	9	3,642	46	0	27	3,223	49	7	16	2,202	61	0	16	

TABLE IX.—Cemeteries and number of decedents buried therein, including those transported out of the District of Columbia, for interment for the year ended June 30, 1898.

Cemeteries.	White.	Colored.	Total.
Adas Israel.....	7		7
Addison's Chapel.....	1		1
Agudas Achim.....	1		1
Anatomical purposes.....	3	1	4
Baptist, of Reno.....		14	14
Christian, of Tenley.....		9	9
Congressional Cemetery.....	471		471
Convent of the Visitation.....	5		5
Dean's.....		3	3
Forest Lake.....	4		4
Glenwood.....	308		308
Harmony.....		569	569
Hebbons'.....		8	8
Hillsdale.....		16	16
Hohoo Sholom.....	8		8
Holyrood.....	86	17	103
Hospital at St. Elizabeth (insane).....	86	27	113
Jones's Chapel.....		6	6
Lee's Crematory.....	5	1	6
Macedonia, of Hillsdale.....		4	4
Methodist, of Tenley.....	34		34
Moore, of Anacostia.....	1	236	237
Mount Olivet.....	577	188	765
Mount Zion.....	1	148	149
National, at Arlington.....	91	25	116
National, at Soldiers' Home.....	33	6	39
Oak Hill.....	159		159
Outside of the District of Columbia.....	535	195	730
Payne's, at Bennings.....	1	472	473
Potter's field.....	65	359	424
Prospect Hill.....	119		119
Rock Creek.....	264		264
Russian Hebrew.....	6		6
St. Alban's, of Tenley.....	1		1
St. Mary's.....	50	1	51
Seaggs's.....		1	1
Smith's, of Anacostia.....		10	10
Talmud Tora (Hebrew).....	2		2
University of Georgetown.....	2		2
Washington Asylum.....	6	3	9
Washington Hebrew.....	16		16
Woodlawn.....	25	123	148
Total.....	2,973	2,442	5,415

TABLE X.—Daily mortality, classified by color, different diseases, violence, and ages;

JULY, 1897.

[illegible]

also daily meteorological conditions and variations for year ended June 30, 1898.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

JULY, 1897.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
29.84	79	81	73	8	77	70	68	SE.	S.	118	0.03	1
29.80	80	92	69	23	80	92	70	SW.	SE.	88	.....	2
29.99	78	90	70	20	80	74	72	NE.	E.	108	T.	3
30.14	78	87	73	14	80	72	70	E.	SE.	146	.....	4
30.07	70	90	68	22	79	61	68	S.	S.	115	.....	5
30.01	70	91	68	23	80	73	70	S.	SE.	94	.....	6
30.03	87	90	68	22	79	73	72	SW.	NE.	114	.86	7
30.08	76	86	72	14	79	72	68	NE.	S.	152	.....	8
29.48	69	87	66	21	76	71	68	0	S.	90	.....	9
29.93	76	88	68	20	78	72	68	S.	S.	90	T.	10
29.80	78	88	72	16	80	71	68	S.	S.	136	.01	11
29.67	88	86	70	16	78	72	71	S.	NW.	122	.39	12
29.70	84	84	69	15	76	68	67	NW.	N.	105	.05	13
29.88	61	84	67	17	76	63	58	NW.	NW.	165	.16	14
30.12	60	84	61	23	72	64	59	NW.	SW.	89	.....	15
30.14	66	85	62	23	74	68	64	S.	S.	82	T.	16
30.16	79	84	68	16	76	70	68	E.	S.	155	.10	17
30.24	92	78	68	10	73	71	70	SE.	S.	148	.50	18
30.27	92	80	66	14	73	69	68	E.	S.	109	.86	19
30.16	94	80	68	12	74	70	70	S.	S.	136	.07	20
30.01	92	79	70	9	74	71	71	S.	SW.	164	.01	21
29.94	72	88	71	17	80	71	67	W.	S.	148	1.16	22
29.80	69	92	69	23	80	70	66	S.	NW.	160	T.	23
29.81	62	89	71	18	80	70	64	NW.	W.	160	.....	24
29.88	72	88	71	17	80	71	68	NW.	NW.	133	.....	25
29.90	84	84	68	16	76	70	69	NE.	E.	193	.10	26
29.82	94	79	68	11	74	71	70	E.	NE.	182	1.21	27
29.84	86	79	68	11	74	69	67	NW.	N.	143	.26	28
29.94	78	84	64	20	74	70	66	W.	SW.	134	T.	29
30.08	66	85	65	20	75	70	62	NW.	SW.	151	T.	30
30.03	76	90	66	24	78	74	68	W.	W.	112	.01	31
29.97	77.7	85.5	68.3	17.3	70.4	70.4	67.6	S.	S.	130	5.78	'

TABLE X.—Daily mortality, classified by color, different diseases, violence, and ages;

AUGUST, 1897.

Day of month.	Color.	Mortality.																																													
		Total deaths, less those by violence.	Deaths by violence.			Deaths, by ages.					Group.	Diphtheria.	Diarrheal diseases.	Typhoid fever.	Typhomalarial fever.	Malarial fevers.	Phthisis pulmonalis.	Pneumonia.	Bronchitis.	Congestion of lungs.	Pleurisy.	Diseases of nervous system.	Diseases of the circulatory organs.	Rheumatism.	Diseases of digestive organs.	All other diseases.	Total deaths, by color.	Total deaths.																			
			Accidents and negligence.	Homicides.	Suicides.	60 years old and over, less those by violence.	Under 5 years old, less those by violence.	Under 8 days old, less those by violence.	1 day old and under, less those by violence.	Scarlet fever.																																					
1	W.	12				3	5																																								
2	C.	12				1	10																																								
3	W.	7				1	3																																								
4	C.	6							1																																						
5	W.	7	2				3																																								
6	C.	7				2	3																																								
7	W.	7				1	6																																								
8	C.	6	1			2	2																																								
9	W.	6				1	4		1	1																																					
10	C.	5				1	1																																								
11	W.	5				2	2																																								
12	C.	6				1	4																																								
13	W.	6				1	3		1																																						
14	C.	6				1	3																																								
15	W.	7				1	2																																								
16	C.	2				2	2																																								
17	W.	3				1	4																																								
18	C.	6				1	3																																								
19	W.	7				1	2																																								
20	C.	6				1	3																																								
21	W.	7				1	2																																								
22	C.	6				1	3																																								
23	W.	8				1	2																																								
24	C.	5				1	3																																								
25	W.	8				1	2																																								
26	C.	7				1	4																																								
27	W.	4				1	1																																								
28	C.	6				1	3																																								
29	W.	7				1	2																																								
30	C.	4				1	3																																								
31	W.	3				1	6		1	1																																					
	C.	5				1	3																																								
Total and mean...	W.	196	7	1	3	51	69	7	2	0	0	5	23	6	0	5	12	6	0	2	0	28	12	1	27	69	207	435																			
	C.	223	5	0	0	25	114	13	8	0	0	2	28	10	2	0	30	10	0	0	0	29	23	0	14	74	228																				

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

AUGUST, 1897.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
30.02	68	83	67	16	75	66	62	W.	N.	92	.....	1
30.03	68	86	63	23	74	68	64	NE.	SE.	75	.....	2
30.11	74	86	64	22	75	70	66	S.	SE.	139	.....	3
30.09	79	90	73	17	82	75	72	SW.	S.	162	.....	4
30.11	84	82	68	14	75	69	68	NW.	E.	161	0.04	5
30.20	79	79	62	17	70	66	63	SE.	NE.	89	.....	6
30.17	66	81	58	23	70	64	60	NE.	SE.	108	.....	7
30.08	88	72	57	15	64	64	63	SE.	NE.	89	.09	8
29.97	83	84	62	22	73	70	68	N.	SE.	76	.23	9
29.78	80	86	62	24	74	71	68	SE.	E.	129	T.	10
29.72	78	82	62	20	72	67	64	NW.	NW.	152	1.95	11
29.92	78	83	67	16	75	68	66	NW.	W.	113	.....	12
30.12	76	83	60	23	72	66	63	NW.	S.	88	.....	13
30.03	76	90	63	27	76	71	68	S.	S.	116	.....	14
29.92	83	88	70	18	79	70	68	S.	N.	172	.01	15
29.82	88	88	66	22	77	70	69	SW.	N.	111	.26	16
29.97	80	81	62	19	72	66	64	W.	N.	111	.....	17
30.03	74	82	64	18	73	64	60	N.	W.	80	.....	18
30.00	82	80	61	19	70	65	64	W.	S.	67	.....	19
30.09	74	80	64	16	72	65	62	NW.	NE.	121	.....	20
30.11	78	84	66	18	75	66	64	NE.	S.	136	T.	21
29.97	82	84	67	17	76	68	66	S.	S.	90	.....	22
29.94	89	82	66	16	74	69	68	NE.	NE.	90	.22	23
29.87	84	80	64	16	72	66	64	NW.	NW.	137	.02	24
29.90	82	86	61	25	74	67	65	SW.	S.	81	.....	25
30.04	84	80	61	19	70	64	62	N.	N.	109	.44	26
29.96	72	85	58	27	72	66	62	N.	S.	125	.....	27
30.00	77	84	65	19	74	67	70	NW.	N.	145	.....	28
30.08	66	86	58	28	72	64	60	N.	0	72	.....	29
30.00	78	87	68	19	78	70	68	SW.	N.	101	T.	30
30.10	68	79	62	17	70	62	54	N.	E.	98	.09	31
30.00	78	83	64	20	74	67	65	NW.	S.	111	3.35	

TABLE X.—Daily mortality, classified by color, different diseases, violence, and ages;

SEPTEMBER, 1897.

Day of month.	Color.	Mortality.																												
		Total deaths, less those by violence.	Deaths by violence.			Deaths by ages.				Scarlet fever.	Croup.	Diphtheria.	Diarrheal diseases.	Typhoid fever.	Typhomalarial fever.	Malarial fevers.	Pituitis pulmonalis.	Pneumonia.	Bronchitis.	Congestion of the lungs.	Pleurisy.	Diseases of nervous system.	Diseases of the circulatory organs.	Rheumatism.	Diseases of digestive organs.	All other diseases.	Total deaths, by color.	Total deaths.		
			Accidents and negligence.	Homicides.	Suicides.	60 years old and over, less those by violence.	Under 5 years old, less those by violence.	Under 8 days old, less those by violence.	1 day old and under, less those by violence.																					
1	W. C.	7				2	2	1	1					1		1														12
2	W. C.	5				3	3	1	1			1	1																	15
3	W. C.	9	1			1	6	5				2	2																	22
4	W. C.	11				2	5	4																						12
5	W. C.	6				1	3	2				1																		16
6	W. C.	7				1	4	1																						12
7	W. C.	8	1			1	1	1				1	1																	17
8	W. C.	5				1	1	2				1	1																	22
9	W. C.	10				1	3	5				3	3																	15
10	W. C.	7				1	1	3				1	1																	23
11	W. C.	14				3	8	1																						16
12	W. C.	8				5	2	1																						12
13	W. C.	9				1	1	1				1	1																	21
14	W. C.	10				1	2	3				3	3																	13
15	W. C.	12				3	9	1				1	1																	21
16	W. C.	8				3	3	1				2	2																	14
17	W. C.	5				1	1	1																						14
18	W. C.	11				3	4	1				1	1																	13
19	W. C.	4	1			4	3	1																						16
20	W. C.	17				3	3					2	2																	9
21	W. C.	9				3	3	1				1	1																	12
22	W. C.	4				1	1	1																						17
23	W. C.	10				1	3	6				1	2																	14
24	W. C.	7				3	3	2				1	1																	9
25	W. C.	5				2	5	1																						21
26	W. C.	8				1	1	1				1	1																	11
27	W. C.	4	1			1	1	1																						12
28	W. C.	6				2	1	2				2	2																	17
29	W. C.	5				1	4	1				1	1																	10
30	W. C.	7				1	2	1				1	1																	17
31	W. C.	10				1	2	1				1	1																	17
Total and mean.	W. C.	247 188	6 6	0 0	7 1	69 15	73 94	11 10	5 7	0 0	0 0	6 7	20 14	12 6	9 2	28 23	7 10	2 5	0 1	37 31	17 8	1 0	23 24	83 55	200 195	455				

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

SEPTEMBER, 1897.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
30.11	78	83	60	23	72	68	75	NE.	S.	132	.....	1
30.07	78	84	69	15	76	68	66	SW.	N.	174	.....	2
30.26	66	76	59	17	68	59	54	NE.	NE.	192	.....	3
30.38	76	75	55	20	65	58	55	N.	NE.	137	.....	4
30.34	74	81	52	29	66	62	58	0	S.	66	.....	5
30.28	80	89	55	34	72	64	62	S.	W.	68	.....	6
30.26	74	92	56	34	75	68	64	0	E.	79	.....	7
30.18	82	90	69	21	80	72	70	S.	SE.	116	.....	8
30.14	82	91	66	25	78	69	67	E.	N.	85	.....	9
30.16	76	96	66	30	81	70	68	0	NE.	51	.....	10
30.10	74	97	66	31	82	70	68	W.	SE.	55	.....	11
30.19	86	77	68	9	72	66	64	NE.	NE.	159	.....	12
30.08	85	89	69	20	79	72	71	SW.	S.	94	.....	13
30.13	64	88	69	19	78	69	64	NW.	NE.	134	T.	14
30.24	66	81	64	17	72	62	58	NE.	SE.	117	.....	15
30.04	77	88	64	24	76	69	66	SW.	S.	134	.....	16
29.94	70	80	64	16	72	66	62	W.	NW.	184	0.26	17
30.04	62	71	49	22	60	53	47	N.	S.	111	.....	18
29.94	79	78	56	22	67	51	58	S.	SE.	124	.....	19
30.12	52	66	50	16	58	48	40	NW.	NW.	326	.....	20
30.29	62	63	45	18	54	44	38	N.	N.	157	.....	21
30.16	66	68	47	21	58	50	45	N.	NE.	228	T.	22
29.96	98	58	51	7	54	52	52	NE.	NW.	260	1.26	23
30.09	82	71	49	22	60	55	53	SW.	N.	180	.02	24
30.18	87	77	50	27	64	56	54	W.	N.	64	.....	25
29.95	89	86	55	31	70	62	60	0	SW.	72	.....	26
30.21	65	70	51	14	60	51	46	N.	N.	181	.....	27
30.38	70	68	42	26	55	47	42	N.	N.	103	.....	28
30.37	70	74	42	32	58	51	46	NW.	S.	62	.....	29
30.32	80	83	45	38	64	55	52	N.	S.	49	.....	30
30.16	75.0	79.7	56.8	22.8	68.2	60.3	57.2	N.	N.	129	1.54	

TABLE X.—Daily mortality, classified by color, different diseases, violence, and ages;

OCTOBER, 1897.

[illegible]

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

OCTOBER, 1897.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
30.19	80	87	53	34	70	58	56	SW.	N.	69	.....	1
30.39	76	65	53	12	59	54	51	NE.	NE.	239	T.	2
30.57	77	61	46	15	54	48	44	NE.	N.	180	.....	3
30.44	77	69	42	27	56	46	42	N.	N.	96	.....	4
30.16	78	74	39	35	56	51	48	0	SE.	65	.....	5
29.90	73	76	53	23	64	57	54	S.	N.	98	.....	6
29.99	69	71	49	22	60	51	46	NW.	NW.	136	T.	7
30.17	81	65	41	24	53	48	44	N.	0	91	.....	8
30.11	68	76	50	26	63	32	48	SW.	N.	140	.....	9
30.25	60	62	42	20	52	46	39	NE.	E.	122	.....	10
30.02	92	77	55	22	66	63	62	NE.	SE.	132	0.02	11
30.00	94	74	62	12	68	65	64	SW.	S.	149	1.08	12
30.38	90	79	56	23	68	60	59	S.	NE.	76	.....	13
30.48	79	76	53	23	64	56	54	NE.	S.	84	.....	14
30.33	78	81	50	31	66	58	56	0	S.	68	.....	15
30.12	76	89	56	33	72	62	58	S.	S.	84	.....	16
30.30	51	72	46	26	59	47	38	N.	N.	235	.....	17
30.46	64	61	38	23	50	39	32	NE.	W.	91	.....	18
30.18	86	64	39	25	52	50	48	W.	SE.	88	T.	19
29.92	98	60	56	4	58	56	56	NE.	NE.	188	.92	20
29.98	90	59	53	6	56	53	52	N.	NE.	91	.01	21
30.12	92	66	52	14	59	54	54	NE.	NE.	118	.02	22
30.32	86	53	48	5	50	49	41	NE.	NE.	215	.36	23
30.06	80	54	48	6	51	48	44	N.	N.	302	.20	24
29.76	92	57	49	8	53	53	52	NE.	NE.	508	.60	25
29.97	97	62	53	9	58	53	53	NE.	NE.	319	.28	26
30.08	86	58	51	7	54	52	50	N.	N.	193	.04	27
29.90	93	63	55	8	59	56	56	N.	SW.	98	.....	28
29.79	76	64	44	20	54	50	47	W.	NW.	196	.02	29
30.06	78	56	39	17	48	42	38	NW.	NE.	104	.....	30
30.25	84	61	34	27	48	45	42	NE.	NE.	122	.....	31
30.15	80.7	67.5	48.6	18.9	58.1	52.3	49.5	NE.	NE.	151	3.55	

TABLE X.—Daily mortality, classified by color, different diseases, violence, and ages;

NOVEMBER, 1897.

Day of month.	Color.	Mortality.																						
		Total deaths, less those by violence.	Deaths by violence.		Deaths, by ages.																			
			Accidents and negligence.	Homicides.	60 years old and over, less those by violence.	Under 5 years old, less those by violence.	Under 8 days old, less those by violence.	1 day old and under, less those by violence.	Scarlet fever.	Group.	Diphtheria.	Diarrheal diseases.	Typhoid fever.	Typhomalarial fever.	Malarial fevers.	Phthisis pulmonalis.	Pneumonia.							
1	W.	8	1	1	2	3	1				1	1				1	1							
2	W.	5	1		2	2	1									1	1							
3	W.	8			3	3	1				1	1				1	1							
4	W.	9	1	1	2	1	1	1					1			1	1							
5	W.	7	1		3	2	1						1			2	1							
6	W.	4			2	2	2									1	2							
7	W.	5			2	1										1	2							
8	W.	7	1		4	1										4	1							
9	W.	5			2	2										1	1							
10	W.	4			3	3										1	1							
11	W.	9	1		1	2	3	2								2	2							
12	W.	6			1	2	1									1	1							
13	W.	1			1	1										1	1							
14	W.	9			4	1	1	1								2	2							
15	W.	4			2	1	1									1	1							
16	W.	9			2	2	2									1	1							
17	W.	10			5	4	4									2	2							
18	W.	11			2	2	2	1								1	1							
19	W.	7	1		2	2	2	1								1	1							
20	W.	13			6	2	2									1	1							
21	W.	3			1	1	2									1	1							
22	W.	12			5	3	3									1	1							
23	W.	5			1	1	1									1	1							
24	W.	10			3	3	3									1	1							
25	W.	8			3	1	1									1	1							
26	W.	9			3	3	3									1	1							
27	W.	4			2	1	1									1	1							
28	W.	3			1	1	1									1	1							
29	W.	11			6	1	1									1	1							
30	W.	6			1	4	1									1	1							
Total and mean.	W. C.	248 177	6 4	0 1	4 1	88 26	56 64	18 9	11 3	1 0	2 1	10 6	4 1	6 3	1 0	2 35	23 21	2 10	2 6	33 25	20 17	0 23	51 183	258 441

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

NOVEMBER, 1897.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
29.87	98	67	54	13	60	60	60	E.	S.	124	0.95	1
29.60	89	67	52	15	60	58	57	S.	SW.	261	.44	2
30.01	87	60	48	12	54	48	46	W.	NW.	216	.03	3
30.29	85	68	40	28	54	46	44	NW.	S.	71	.....	4
30.09	90	63	39	24	51	50	48	SE.	S.	153	.....	5
30.08	66	60	40	20	50	48	42	NW.	W.	245	.....	6
30.18	78	52	36	16	44	41	38	W.	NW.	92	* T.	7
29.88	96	54	46	8	50	48	48	NE.	NE.	82	.31	8
29.54	72	66	47	19	56	49	44	S.	W.	282	.01	9
30.01	70	54	39	15	46	40	35	W.	SW.	105	.....	10
29.80	66	52	38	14	45	43	36	SE.	NW.	104	.15	11
30.00	52	44	37	7	40	32	23	W.	W.	469	* T.	12
30.23	60	48	32	16	40	34	26	W.	NW.	218	.....	13
30.30	78	44	28	16	26	34	30	W.	E.	65	.16	14
30.23	88	56	38	18	47	44	42	NE.	S.	70	.11	15
30.14	74	76	43	33	60	48	44	S.	NW.	276	* T.	16
30.50	54	45	34	11	40	32	24	NW.	NW.	225	.03	17
30.55	77	43	29	14	36	30	27	NW.	W.	107	.....	18
30.25	64	51	32	19	42	36	30	S.	S.	93	.....	19
30.14	68	65	36	29	50	40	34	S.	S.	77	.....	20
30.00	72	67	35	32	51	43	38	S.	NE.	67	.....	21
30.02	76	53	47	6	50	46	43	NE.	E.	105	.02	22
30.16	02	45	30	15	38	32	25	NW.	NW.	294	.09	23
30.15	69	40	26	14	33	27	22	NW.	S.	139	.....	24
30.42	78	47	32	15	40	38	32	S.	S.	173	* T.	25
30.12	96	67	43	24	55	52	51	S.	S.	189	.11	26
30.30	68	62	32	30	47	38	33	NW.	N.	340	.80	27
30.56	68	39	27	12	33	28	22	NE.	NE.	150	.....	28
30.26	64	47	33	14	40	34	29	NW.	NW.	171	.10	29
30.94	63	34	26	8	30	26	19	NW.	N.	188	.....	30
30.15	74.6	54.6	37.3	17.3	45.9	41.0	36.5	NW.	S.	174	3.31	

* Melted snow.

TABLE X.—Daily mortality, classified by color, different diseases, violence, and ages;

DECEMBER, 1897.

Day of month.	Color.	Mortality.																										
		Total deaths, less those by violence.	Deaths by violence.			Deaths, by ages.											Total deaths.											
			Accidents and negligence.	Homicides.	Suicides.	60 years old and over, less those by violence.	Under 5 years old, less those by violence.	Under 8 days old, less those by violence.	1 day old and under, less those by violence.	Scarlet fever.	Croup.	Diphtheria.	Diarrheal diseases.	Typhoid fever.	Typhomalarial fever.	Malarial fevers.		Phthisis pulmonalis.	Pneumonia.	Bronchitis.	Congestion of lungs.	Pleurisy.	Diseases of nervous system.	Diseases of the circulatory organs.	Rheumatism.	Diseases of digestive organs.	All other diseases.	Total deaths, by color.
1	W.	8	1		1	2								1			3	2			1	1		1	2	9	15	
2	C.	6			1	1											1	2	1						1	2	6	9
3	W.	3				1								1			2	2	2			3	1		1	2	6	13
4	C.	6				3											2	2				1			1	2	6	15
5	W.	7			1												1	1				2			1	2	10	15
6	C.	3															2	1				1			2	5	10	15
7	W.	7										1					1	1	1						1	4	4	11
8	C.	6															1	1	1	1					1	3	6	14
9	W.	8	1			1											2	2		1					1	2	6	10
10	C.	4										1	1				1								1	2	4	10
11	W.	4			1		1	2									1	1	1		2					4	9	19
12	C.	4															2	2			1					1	10	10
13	W.	8			1		1	2									1	1	1		2					4	10	21
14	C.	10					3					1					1	3								2	12	18
15	W.	8					1		4								2	2	2							1	9	21
16	C.	12					3		3					2			1	1	1		4					5	9	14
17	W.	9					2		4		1						1	1	1							1	5	17
18	C.	7	1		1		3		1								2	2			1					3	8	13
19	W.	4					1		2								1	1	1							1	5	11
20	C.	8					3		1								2	2			2					3	7	16
21	W.	5					1		1								3	1	1							2	5	10
22	C.	7					3		1								1	1	1		1					1	4	11
23	W.	4					1		1								2	2								1	3	7
24	C.	8					2		3								1	1	1		2					4	8	15
25	W.	9					4		1								2	2	1							5	9	14
26	C.	5					1		3								1	1	1		1					2	5	9
27	W.	6					2		1								3	3			2					1	6	16
28	C.	10					3		2								1	1	1		3					5	10	20
29	W.	7					1		1								1	1	1		2					2	6	14
30	C.	6					3		3								1	1	1		1					4	8	17
31	W.	5					1		5								1	1	1		4					2	11	18
	C.	11					2		3								2	2			2					1	8	13
	W.	7					1		1				1				1	1	1		1					1	7	8
	C.	6					1		1								2	2			1					5	6	13
	W.	8					3		2								1	1	1		1					1	6	9
	C.	7					2		1								2	2			2					2	6	16
	W.	3					1		2								1	1								1	3	9
	C.	6					2		1								2	2			2					1	6	17
	W.	10					5		2								1	1	1		4					1	11	24
	C.	6					2		2								1	1	1		1					1	3	11
	Total and mean.	W. C.	229 208	8 1	0 0	6 6	77 36	45 78	7 18	6 8	2 0	0 0	4 6	5 13	0 5	0 0	28 36	2 35	7 7	2 0	0 3	5 35	22 16	0 0	1 1	11 78	243 210	453

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

DECEMBER, 1897.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
30.18	72	45	27	18	36	31	26	S.	S.	140	.....	1
30.50	59	42	30	12	36	32	25	N.	E.	124	.....	2
30.45	98	36	32	4	34	34	33	NE.	NE.	167	0.45	3
30.11	98	41	23	8	37	36	36	NE.	S.	116	.35	4
19.82	78	44	34	10	39	36	32	NW.	NW.	260	.20	5
30.16	68	46	32	14	39	32	26	NW.	S.	149	.....	6
30.14	74	52	33	19	42	35	31	S.	N.	110	.....	7
30.24	78	51	29	22	40	33	30	NW.	S.	56	.....	8
30.31	89	60	33	27	46	38	36	N.	E.	57	.....	9
30.26	84	65	34	31	50	44	42	0	S.	87	.....	10
29.99	86	68	48	20	58	54	52	S.	S.	143	.....	11
29.95	80	56	36	20	46	45	40	W.	N.	151	.19	12
30.16	78	44	34	10	39	38	34	NE.	NE.	259	.83	13
29.74	100	50	42	8	46	48	48	NE.	NW.	244	.32	14
29.84	68	51	42	9	46	42	37	NW.	W.	86	.....	15
30.18	88	52	32	20	42	38	36	S.	S.	107	.01	16
30.19	84	52	36	16	44	42	40	N.	S.	344	*T.	17
30.36	54	53	29	24	41	28	20	NW.	NW.	140	.....	18
30.50	69	32	24	8	28	24	18	NW.	N.	141	.36	19
30.18	82	34	25	9	30	30	26	SE.	S.	93	.02	20
29.93	88	42	33	9	38	34	32	W.	N.	98	.10	21
29.88	82	38	33	5	36	32	49	S.	NW.	307	*T.	22
29.87	60	35	22	13	28	26	18	SW.	NW.	372	*T.	23
30.94	48	26	15	11	20	15	4	NW.	NW.	141	.....	24
30.36	68	34	14	20	24	20	14	NW.	S.	123	.44	25
29.98	84	43	30	13	36	32	30	N.	N.	129	.....	26
30.20	70	38	25	13	32	26	20	NW.	N.	57	.....	27
30.45	75	36	21	15	28	24	20	N.	SE.	184	*T.	28
30.16	78	42	20	22	31	32	28	SE.	S.	186	.....	29
29.92	66	58	37	21	48	37	31	SW.	SW.	301	.....	30
29.61	68	51	31	20	41	36	30	E.	W.	.....	.....	31
30.13	76.7	30.5	15.2	38.1	38.1	34.0	29.7	NW.	S.	163	3.35	

* Melted snow.

TABLE X.—Daily mortality, classified by color, different diseases, violence, and ages;

JANUARY, 1898.

Day of month.	Color.	Mortality.																
		Total deaths, less those by violence.	Deaths by violence.		Deaths by ages.					Group.	Diphtheria.	Diarrheal diseases.	Typhoid fever.	Typhomalarial fever.	Malarial fevers.	Pneumonia.	Pneumonia.	Congestion of the lungs.
			Accidents and negligence.	Homicides.	Wounds in late war.	60 years old and over, less those by violence.	Under 5 years old, less those by violence.	Under 8 days old, less those by violence.	1 day old and under, less those by violence.									
1.....	W. C.	6	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
2.....	W. C.	7	1	1	3	3	2	1	1	1	1	1	1	1	1	1	1	1
3.....	W. C.	9	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
4.....	W. C.	4	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
5.....	W. C.	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
6.....	W. C.	4	1	1	2	4	3	1	1	1	1	1	1	1	1	1	1	1
7.....	W. C.	4	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
8.....	W. C.	8	1	1	2	1	3	3	1	1	1	1	1	1	1	1	1	1
9.....	W. C.	6	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1
10.....	W. C.	13	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1
11.....	W. C.	8	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1
12.....	W. C.	6	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1
13.....	W. C.	9	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1
14.....	W. C.	6	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
15.....	W. C.	6	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1
16.....	W. C.	3	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
17.....	W. C.	7	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
18.....	W. C.	7	1	1	3	2	3	1	1	1	1	1	1	1	1	1	1	1
19.....	W. C.	11	1	1	4	2	2	1	1	1	1	1	1	1	1	1	1	1
20.....	W. C.	6	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
21.....	W. C.	5	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
22.....	W. C.	6	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
23.....	W. C.	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
24.....	W. C.	8	2	2	3	5	2	2	1	1	1	1	1	1	1	1	1	1
25.....	W. C.	5	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
26.....	W. C.	11	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1
27.....	W. C.	6	1	1	2	4	1	1	1	1	1	1	1	1	1	1	1	1
28.....	W. C.	4	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
29.....	W. C.	5	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
30.....	W. C.	10	1	1	1	3	3	3	1	1	1	1	1	1	1	1	1	1
31.....	W. C.	9	1	1	5	1	3	3	1	1	1	1	1	1	1	1	1	1
Total and mean.	W. C.	236	14	0	2	71	52	5	3	1	0	9	1	6	2	0	3	2

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

JANUARY, 1898.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
29.96	44	31	19	12	25	20	8	NW.	NW.	497	.....	1
30.20	62	27	18	9	22	18	10	NW.	SW.	269	.....	2
30.16	50	32	22	15	30	26	16	W.	N.	199	.....	3
30.16	66	46	17	29	32	26	19	NE.	N.	80	.....	4
30.28	70	50	27	23	38	28	24	W.	W.	117	.....	5
30.06	83	42	22	20	32	32	29	W.	S.	55	0.02	6
30.10	70	46	35	11	40	34	29	NW.	NW.	197	.08	7
29.84	58	62	35	27	48	40	32	S.	NW.	189	.....	8
20.10	84	47	33	14	40	34	28	N.	SE.	139	.38	9
30.14	93	44	34	10	39	36	34	N.	S.	99	.43	10
30.15	100	40	33	7	36	36	36	E.	E.	83	.02	11
29.90	98	54	34	17	46	44	44	S.	S.	85	.11	12
29.94	72	63	40	23	52	48	44	W.	N.	276	T.	13
30.30	78	48	35	13	42	38	34	W.	S.	86	.....	14
29.87	96	50	39	11	44	43	42	S.	SW.	122	1.02	15
30.05	58	52	33	19	42	37	28	NW.	NW.	267	.01	16
30.44	64	35	28	7	32	26	20	N.	E.	142	.....	17
30.51	65	44	26	18	35	27	22	NE.	NE.	98	.....	18
30.45	80	39	25	14	32	30	27	N.	NE.	113	.01	19
29.85	94	48	34	14	41	40	40	NE.	SW.	122	.34	20
30.20	60	51	38	13	44	39	32	NW.	N.	189	.....	21
30.16	91	39	33	6	36	36	35	NE.	NE.	133	.13	22
29.62	64	56	39	17	48	37	30	S.	W.	379	.03	23
30.21	60	43	29	14	36	31	24	NW.	NW.	231	.....	24
29.90	89	37	27	10	32	32	30	N.	E.	103	.55	25
29.74	54	46	32	14	39	34	25	W.	NW.	372	.02	26
30.00	68	41	30	11	36	28	18	W.	NW.	230	.....	27
30.04	60	37	24	13	20	25	18	N.	SE.	133	.....	28
29.98	62	37	29	8	33	30	24	NW.	N.	257	T.	29
30.27	64	29	22	7	26	21	14	NE.	SE.	176	.....	30
29.92	86	34	24	10	29	28	26	SE.	NW.	200	.39	31
30.08	72.4	43.7	29.6	14.1	36.7	32.4	27.2	W. NW.	NW.	181	3.54	

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

FEBRUARY, 1898.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
29.94	52	25	13	12	19	13	2	NW.	NW.	569	.....	1
30.22	56	28	9	19	18	14	4	NW.	NW.	162	.....	2
30.48	56	23	10	13	16	12	4	NW.	S.	189	T.	3
30.60	74	36	2	34	19	16	10	E.	SE.	103	.....	4
30.39	74	44	18	26	31	28	24	S.	N.	63	.....	5
30.34	68	39	27	12	33	28	24	NW.	N.	190	.....	6
30.38	72	48	20	28	34	26	22	N.	E.	44	.....	7
30.40	80	49	24	25	36	30	27	N.	E.	70	.....	8
30.38	76	54	28	26	41	34	30	E.	SE.	53	.....	9
30.32	80	62	30	32	46	37	34	SW.	NW.	42	.....	10
30.31	71	66	36	30	51	42	38	NE.	S.	108	.....	11
30.12	75	67	44	23	56	46	42	S.	N.	251	T.	12
30.25	72	45	31	14	38	36	30	N.	NW.	163	.....	13
29.91	67	58	30	28	44	34	28	S.	N.	118	.....	14
29.58	59	51	33	18	42	34	26	NE.	W.	218	0.20	15
30.01	37	33	21	12	27	18	3	NW.	NW.	636	.....	16
30.34	44	43	20	23	32	24	12	NW.	S.	148	.....	17
30.22	89	38	34	4	36	34	33	S.	E.	76	.14	18
30.14	100	42	36	6	39	39	39	NE.	NE.	189	.69	19
29.82	96	46	39	7	42	41	40	NW.	NE.	152	.20	20
29.74	89	42	33	9	38	35	32	NW.	N.	234	.41	21
29.89	82	39	31	8	35	31	28	NW.	W.	141	T.	22
30.04	58	40	28	12	34	29	21	NW.	S.	175	.....	23
29.98	61	51	30	21	40	33	26	S.	W.	179	.....	34
30.07	60	45	27	18	36	30	22	W.	NW.	221	.....	25
30.21	52	39	23	16	31	25	15	NW.	N.	192	.....	26
30.17	65	40	25	15	32	26	21	NW.	NW.	121	.....	27
30.00	61	40	23	17	32	22	18	N.	N.	165	.....	28
30.15	68.9	44.0	25.9	18.1	34.9	29.2	23.4	NW.	NW.	180	1.64	

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

MARCH, 1898.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
30.04	60	43	25	18	34	28	20	N.	NE.	143	.....	1
30.08	78	38	28	10	33	32	28	E.	E.	80	0.35	2
30.27	68	43	30	13	36	32	26	W.	N.	155	.....	3
30.08	82	39	33	6	36	35	32	NE.	N.	246	.12	4
30.34	53	46	33	13	40	32	22	NW.	N.	234	.....	5
30.50	64	50	25	25	38	32	24	NW.	SE.	65	.....	6
30.46	58	55	32	23	44	35	26	SE.	SE.	93	.....	7
30.38	75	56	27	29	42	37	33	E.	E.	96	.....	8
30.33	82	57	34	23	46	42	38	N.	E.	106	.....	9
30.32	86	64	42	22	53	49	46	NE.	E.	106	T.	10
30.25	79	68	45	23	56	50	47	NE.	S.	177	T.	11
30.07	78	69	55	14	62	56	54	S.	S.	255	T.	12
29.98	64	69	53	16	61	53	48	S.	NW.	296	.01	13
30.25	57	59	39	20	49	41	33	NW.	N.	159	.....	14
30.30	78	57	35	22	46	40	36	NE.	S.	131	.11	15
30.34	84	53	42	11	48	44	42	SE.	S.	159	.06	16
30.08	63	73	48	25	60	49	40	SW.	NW.	212	.30	17
30.30	74	56	43	13	50	45	41	NE.	S.	152	.02	18
29.93	65	78	48	30	63	54	49	S.	S.	205	T.	19
30.12	56	72	56	16	64	52	45	W.	N.	187	T.	20
30.16	73	56	43	13	50	43	38	NE.	E.	203	.01	21
30.10	86	52	44	8	48	46	44	E.	S.	159	.01	22
29.94	83	62	48	14	55	50	48	N.	N.	112	T.	23
30.16	97	52	42	10	47	44	43	NE.	N.	160	.59	24
30.47	69	55	42	13	48	42	35	N.	SE.	155	.01	25
30.60	78	57	33	24	45	44	40	NE.	E.	154	.....	26
30.42	87	62	48	14	55	53	51	E.	SE.	109	T.	27
30.33	82	67	55	12	61	54	52	SE.	SE.	189	.04	28
30.27	94	62	44	18	53	52	51	S.	NW.	200	.53	29
30.11	70	57	44	13	50	44	39	N.	SE.	208	.12	30
30.13	62	49	37	12	43	36	30	N.	NW.	375	.24	31
30.23	73.7	57.3	40.4	16.9	48.9	43.4	38.7	NE.	{ N. S. }	170	2.52	

TABLE X.—Daily mortality, classified by color, different diseases, violence, and ages;

MARCH, 1898.

Day of month.	Color.	Mortality.																												
		Total deaths, less those by violence.	Deaths by violence.			Deaths by ages.					Scarlet fever.	Group.	Diphtheria.	Diarrheal diseases.	Typhoid fever.	Typhomalarial fever.	Malarial fevers.	Pituitis pulmonalis.	Pneumonia.	Bronchitis.										
			Accidents and negligence.	Homicides.	Suicides.	60 years old and over, less those by violence.	5 years old and over, less those by violence.	Under 8 days old, less those by violence.	1 day old and under, less those by violence.																					
1	W. C.	7				1	2											2	2	1										
2	W. C.	19				9	3	2	1									3	1	4										
3	W. C.	18	1			7	5	1	1									3	3	3										
4	W. C.	7	1			2	2	1	1									1	1	1										
5	W. C.	12		1		2	5	5										2	1	1										
6	W. C.	4	1			1	4	1	1									1	2	2										
7	W. C.	11				4	1	2	1									1	1	1										
8	W. C.	9				3	3	2	1									2	2	2										
9	W. C.	12				3	3	1	1									3	1	1										
10	W. C.	12	1			5	3	3	1									2	5	5										
11	W. C.	5				1	2	1	1									2	1	1										
12	W. C.	14				6	1	1	1									2	4	1										
13	W. C.	3				1	2	2	2									1	1	1										
14	W. C.	7				3	3	3	3									3	2	2										
15	W. C.	9				5	1	1	1									2	2	1										
16	W. C.	11		2		3	4	1	1									2	2	1										
17	W. C.	5				2	2	1	1									1	1	1										
18	W. C.	13				10	1	1	1									1	3	1										
19	W. C.	6				1	1	2	2									2	1	1										
20	W. C.	5	1			1	2	3	1									1	1	1										
21	W. C.	7	1			2	3	1	1									2	2	2										
22	W. C.	6		1		1	1	1	1									1	1	1										
23	W. C.	10				5	3	1	1									3	2	4										
24	W. C.	7				2	1	3	2									2	1	1										
25	W. C.	9				3	2	1	1									2	2	2										
26	W. C.	8				1	1	1	1									1	3	1										
27	W. C.	3				1	5	1	1									1	1	1										
28	W. C.	7				2	3	1	1									3	3	1										
29	W. C.	11	1			4	1	1	1									3	2	2										
30	W. C.	4	1			3	3	1	2									1	3	3										
31	W. C.	11		2		2	3	3	1									1	2	2										
Total and mean.	W. C.	267	5	3	3	94	65	12	8	1	0	0	5	2	1	0	0	28	38	6										
	C.	192	6	2	1	24	71	12	5	0	0	5	2	1	0	0	0	34	35	9										
																		8	1	2										
																		26	43	31										
																		19	0	0										
																		24	84	278										
																		52	202	480										

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

MARCH, 1898.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
30.04	60	43	25	18	34	28	20	N.	NE.	143	.....	1
30.08	78	38	28	10	33	32	28	E.	E.	80	0.35	2
30.27	68	43	30	13	36	32	26	W.	N.	155	.....	3
30.08	82	39	33	6	36	35	32	NE.	N.	246	.12	4
30.34	53	46	33	13	40	32	22	NW.	N.	234	.....	5
30.50	64	50	25	25	38	32	24	NW.	SE.	65	.....	6
30.46	58	55	32	23	44	35	26	SE.	SE.	93	.....	7
30.38	75	56	27	29	42	37	33	E.	E.	96	.....	8
30.33	82	57	34	23	46	42	38	N.	E.	106	.....	9
30.32	86	64	42	22	53	49	46	NE.	E.	106	T.	10
30.25	79	68	45	23	56	50	47	NE.	S.	177	T.	11
30.07	78	69	55	14	62	56	54	S.	S.	255	T.	12
29.98	64	69	53	16	61	53	48	S.	NW.	296	.01	13
30.25	57	59	39	20	49	41	33	NW.	N.	159	.....	14
30.30	78	57	35	22	46	40	36	NE.	S.	131	.11	15
30.34	84	53	42	11	48	44	42	SE.	S.	159	.06	16
30.08	63	73	48	25	60	49	40	SW.	NW.	212	.30	17
30.30	74	56	43	13	50	45	41	NE.	S.	152	.02	18
29.93	65	78	48	30	63	54	49	S.	S.	205	T.	19
30.12	56	72	56	16	64	52	45	W.	N.	187	T.	20
30.16	73	56	43	13	50	43	38	NE.	E.	203	.01	21
30.10	86	52	44	8	48	46	44	E.	S.	159	.01	22
29.94	83	62	48	14	55	50	48	N.	N.	112	T.	23
30.16	97	52	42	10	47	44	43	NE.	N.	160	.59	24
30.47	69	55	42	13	48	42	35	N.	SE.	155	.01	25
30.60	78	57	33	24	45	44	40	NE.	E.	154	.....	26
30.42	87	62	48	14	55	53	51	E.	SE.	109	T.	27
30.33	82	67	55	12	61	54	52	SE.	SE.	189	.04	28
30.27	94	62	44	18	53	52	51	S.	NW.	200	.53	29
30.11	70	57	44	13	50	44	39	N.	SE.	208	.12	30
30.13	62	49	37	12	43	36	30	N.	NW.	375	.24	31
30.23	73.7	57.3	40.4	16.9	48.9	43.4	38.7	NE.	{ N. S. }	170	2.52	

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

APRIL, 1898.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
30.24	42	51	32	19	42	34	23	NW.	NW.	224	.....	1
30.06	66	56	33	23	44	38	32	SW.	W.	176	0.01	2
30.15	48	45	32	13	38	30	18	N.	N.	243	.....	3
30.11	68	47	27	20	37	36	30	NE.	S.	162	T.	4
29.98	88	44	29	15	36	33	31	NE.	N.	284	.45	5
30.18	48	46	26	20	36	29	18	NW.	W.	315	.....	6
30.18	46	49	31	18	40	32	22	NW.	NW.	353	T.	7
30.24	48	60	36	24	48	40	29	NW.	W.	212	.....	8
30.15	48	65	32	33	49	44	33	NE.	NW.	108	T.	9
30.05	70	66	44	22	55	48	44	S.	NE.	110	.12	10
30.12	81	60	46	14	53	47	44	NE.	N.	188	.06	11
30.14	60	70	46	24	58	48	40	N.	N.	214	.07	12
29.86	37	71	49	22	59	46	32	N.	SE.	135	.....	13
29.82	76	54	44	10	49	44	40	E.	NW.	163	.35	14
29.56	86	50	44	6	47	44	43	N.	N.	206	.14	15
29.80	48	70	47	23	58	48	38	NW.	W.	277	.01	16
29.90	50	83	47	36	65	55	46	SW.	S.	130	.....	17
30.02	52	78	56	22	67	55	47	SW.	N.	175	.....	18
30.00	84	59	49	10	54	46	42	E.	NE.	199	.02	19
29.89	62	62	47	15	54	46	38	NW.	W.	272	T.	20
30.06	46	61	43	18	52	44	32	W.	W.	289	.....	21
30.15	60	67	38	29	52	49	42	SW.	S.	137	T.	22
29.90	62	78	59	19	68	58	53	S.	S.	236	T.	23
29.68	78	72	59	13	66	60	56	SW.	NW.	203	.54	24
29.86	79	61	50	11	56	52	49	NW.	N.	126	.16	25
30.18	83	50	46	4	48	46	43	NE.	NE.	170	.06	26
30.16	60	51	43	8	47	40	32	NE.	NE.	348	.....	27
29.86	94	43	33	10	38	37	36	N.	N.	298	.29	28
29.87	71	60	39	21	50	44	40	NW.	NW.	205	.08	29
30.12	47	72	48	24	60	50	38	NW.	NW.	248	.....	30
30.00	62.9	60.0	41.8	18.2	50.9	44.1	37.0	NW.	N.	213	2.36	

TABLE X.—Daily mortality, classified by color, different diseases, violence, and ages;

MAY, 1898.

Day of month.	Color.	Mortality.																																												
		Total deaths, less those by violence.	Deaths by violence.			Deaths, by ages.							Diphtheria.	Diarrheal diseases.	Typhoid fever.	Typhomalarial fever.	Malarial fevers.	Phthisis pulmonalis.	Pneumonia.	Bronchitis.	Congestion of lungs.	Pleurisy.	Diseases of nervous system.	Diseases of the circulatory organs.	Rheumatism.	Diseases of digestive organs.	All other diseases.	Total deaths, by color.	Total deaths.																	
			Accidents and negligence.	Homicides.	Suicides.	60 years old and over, less those by violence.	5 years old and under, less those by violence.	Under 5 days old, less those by violence.	1 day old and under, less those by violence.	Scarlet fever.	Croup.																																			
1	W.	4																												12																
	C.	8				2	3	1																																						
2	W.	9				1	4	1																							13															
	C.	4				6																																								
3	W.	8																													17															
	C.	9					3	1																																						
4	W.	4	1			2																									12															
	C.	6	1			1	3	1																																						
5	W.	6																													13															
	C.	7				2	2	1																																						
6	W.	6				2	1	1																							13															
	C.	7				1	4	2																																						
7	W.	9	1			3	2	1																							14															
	C.	4				2	1	1																																						
8	W.	12			1	4	2	2																							21															
	C.	8				2	1																																							
9	W.	6				1																									16															
	C.	10					3	1	1																																					
10	W.	7				3	2																								12															
	C.	5				1	2																																							
11	W.	13				4	3																								19															
	C.	6				1	4																																							
12	W.	10		1		5	2																								17															
	C.	9				1	4	1	1																																					
13	W.	3				1	4																								12															
	C.	8				1	4																																							
14	W.	5	3			1	1																								17															
	C.	5	1			1	1																																							
15	W.	4				1																									11															
	C.	7				1	4																																							
16	W.	6	2			2																									14															
	C.	6				2	1	1																																						
17	W.	6	1			2	1																								10															
	C.	3				1																																								
18	W.	3				4	1																								9															
	C.	6				2																																								
19	W.	3				2																									16															
	C.	5	1			1																																								
20	W.	10				2	1	1																							19															
	C.	11				5	1																																							
21	W.	6	1			1	3																								16															
	C.	7		1		5	1	1																																						
22	W.	8				6																									14															
	C.	4				2																																								
23	W.	10				5	1	1																							13															
	C.	4		1		1																																								
24	W.	8				1	4																								16															
	C.	7	1			1	3																																							
25	W.	6				3																									13															
	C.	7				1	2																																							
26	W.	5	1			3	3																								15															
	C.	7	1			1	2	1																																						
27	W.	7				3	6																								14															
	C.	9				4	2																																							
28	W.	4	1			1	1																								14															
	C.	11				2	1																																							
29	W.	3				2																									7															
	C.	3				1	3																																							
30	W.	4				1																									17															
	C.	11				2	1																																							
31	W.	7				1	3																								13															
	C.	6				4																																								
Total and mean.	W. C.	226 190	12 6	1 0	4 0	76 24	47 74	12 14	8 8	3 0	2 3	0 5	2 3	3 3	0 3	0 1	29 31	14 17	2 8	3 0	3 1	32 38	28 17	0 1	22 11	84 196	243 439																			

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

MAY, 1898.

Meteorological conditions.												
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb).	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a.m.	8 p.m.			
30.14	54	78	48	30	63	53	44	W.	O.	58	-----	1
29.93	64	88	50	38	69	56	50	SW.	E.	118	T.	2
30.06	85	68	49	19	58	50	49	NE.	NE.	158	-----	3
30.06	77	69	51	18	60	54	51	S.	SE.	123	T.	4
29.89	94	57	52	5	54	54	52	SE.	S.	120	0.22	5
29.77	92	54	47	7	50	50	48	NE.	NE.	197	.84	6
29.57	93	51	46	5	48	47	46	NE.	N.	191	.41	7
29.68	88	52	40	12	46	45	43	N.	NE.	317	.62	8
30.01	60	67	36	31	52	48	42	N.	SE.	115	T.	9
30.03	60	76	44	32	60	52	46	S.	S.	153	-----	10
29.98	78	70	54	16	62	56	53	S.	SE.	164	.03	11
29.94	87	80	57	23	68	61	60	S.	S.	190	.07	12
29.98	76	74	55	19	64	58	55	NW.	N.	112	.05	13
30.06	58	75	51	24	63	54	48	N.	E.	102	-----	14
29.98	86	75	58	17	66	64	61	S.	W.	143	.16	15
29.98	94	84	60	24	72	64	62	W.	SW.	166	.86	16
30.04	54	73	58	15	66	54	45	NW.	NW.	242	-----	17
30.12	60	74	47	27	60	56	50	N.	S.	148	-----	18
29.96	74	85	60	25	72	67	64	SW.	S.	193	T.	19
29.98	82	91	69	22	80	70	68	S.	N.	114	.03	20
30.20	83	82	62	20	72	67	65	NE.	E.	166	-----	21
30.23	85	70	58	12	64	60	58	E.	E.	145	T.	22
30.06	92	68	61	7	64	64	62	SE.	S.	132	.05	23
29.89	92	84	65	19	74	66	66	SW.	NE.	104	.11	24
29.84	82	78	62	16	70	66	63	N.	NE.	130	T.	25
29.82	90	71	57	14	64	60	60	N.	N.	189	T.	26
29.77	82	75	56	19	66	60	58	N.	N.	130	T.	27
29.77	74	83	57	26	70	66	63	N.	SE.	77	-----	28
29.77	83	84	65	19	74	68	66	E.	E.	99	.02	29
29.80	88	80	65	15	72	68	67	E.	N.	111	.13	30
30.01	66	76	55	21	66	58	53	N.	N.	187	-----	31
29.95	78	74	55	19	64	50	55	-----	-----	148	.12	

TABLE X.—Daily mortality, classified by color, different diseases, violence, and ages;

JUNE, 1898.

[illegible]

also daily meteorological conditions and variations for year ended June 30, 1898—Cont'd.

[Barometer reduced to sea level. T. indicates trace of precipitation.]

JUNE, 1898.

Meteorological conditions.											
Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean (wet bulb.)	Mean dew-point.	Direction of wind.		Total movement of wind (miles).	Rainfall (inches).
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.		
29.98	58	84	58	26	71	62	56	NW.	SE.	104	.....
29.96	76	76	60	16	68	63	60	SE.	SE.	111	.....
30.05	71	84	57	27	70	63	58	SW.	NE.	153	.....
30.14	75	76	61	15	68	64	60	N.	NE.	150	.....
30.16	70	75	62	13	68	60	56	N.	E.	182	.....
30.16	67	82	55	27	68	62	58	E.	SE.	101	.....
30.15	64	84	58	26	71	64	59	E.	S.	102	.....
30.05	69	86	61	25	74	67	63	SW.	S.	134	.....
29.96	66	87	70	17	78	70	65	SW.	N.	134	.....
30.08	52	88	66	22	77	65	58	NE.	E.	113	.....
30.05	76	86	67	19	76	71	68	E.	S.	123	0.11
29.97	74	91	70	21	80	72	69	S.	NW.	111	.....
29.94	82	90	67	23	78	72	71	S.	SE.	91	.07
29.94	65	91	70	21	80	71	67	SW.	W.	144	.....
30.12	62	84	73	11	78	88	63	N.	E.	219	.....
30.24	62	74	60	14	67	59	54	E.	E.	186	.....
30.13	62	77	58	19	68	59	54	E.	SE.	130	.....
30.01	79	74	63	11	68	63	60	SE.	S.	110	T.
29.76	86	81	65	16	73	67	66	NE.	NW.	126	T.
29.90	56	80	58	22	69	60	52	NW.	SW.	185	.....
29.93	56	73	58	15	66	58	51	NW.	N.	164	.....
30.09	53	77	53	24	65	56	48	NW.	W.	192	.....
30.18	52	79	53	26	66	58	50	N.	S.	120	.....
29.97	61	90	60	30	75	65	60	S.	SW.	108	.....
29.70	75	97	70	27	84	71	68	SW.	W.	221	.35
29.83	58	96	72	24	84	72	66	SW.	N.	146	.....
29.98	40	94	66	28	80	69	62	SE.	S.	91	.....
29.96	82	93	70	23	82	74	73	N.	W.	108	.71
30.05	66	84	65	19	74	68	64	NW.	W.	123	.09
30.10	61	90	62	28	76	69	64	W.	W.	80	.....
30.18	66.2	84.1	62.9	21.2	73.4	66.1	60.8	SW.	W.	132	.044

TABLE XI.—Showing deaths, arranged according to age, sex, and color, with percentages, for twenty-two years ended June 30, 1898.

WHITE MALES.

Years.	Total deaths.	5 years and over.		20 years and over.		40 years and over.	
		Number of deaths.	Percentage to total deaths.	Number of deaths.	Percentage to total deaths.	Number of deaths.	Percentage to total deaths.
1877	1,148	725	63.15	633	55.14	432	37.63
1878	1,125	683	60.71	568	50.49	380	33.78
1879	1,130	689	60.97	562	49.73	384	33.98
1880	1,097	711	64.18	641	58.43	450	41.84
1881	1,179	791	67.10	709	60.14	509	43.17
1882	1,254	854	68.10	751	59.88	541	43.14
1883	1,196	820	68.53	709	59.28	533	44.57
1884	1,322	885	66.94	764	57.79	572	43.12
1885	1,375	957	69.67	841	61.16	601	43.71
1886	1,312	949	72.33	841	64.10	610	46.49
1887	1,343	940	69.84	845	62.91	596	44.38
1888	1,456	978	67.14	875	60.06	651	44.78
1889	1,458	969	66.46	873	60	648	44.44
1890	1,631	1,155	70.81	1,038	63.64	742	45.49
1891	1,697	1,201	70.77	1,092	64.35	830	48.01
1892	1,847	1,302	70.50	1,175	63.56	866	46.89
1893	2,020	1,442	71.38	1,329	65.79	997	49.35
1894	1,815	1,260	69.42	1,132	62.37	854	47.05
1895	1,715	1,271	74.11	1,161	67.69	861	50.20
1896	1,810	1,270	70.17	1,170	64.64	879	48.56
1897	1,773	1,330	75.01	1,224	69.04	922	52
1898	1,566	1,154	73.30	1,067	69	782	50
Total deaths and mean percentages thereto.	32,269	22,296	69	20,000	61.10	14,649	45.40

WHITE FEMALES.

Years.	Total deaths.	Number of deaths.	Percentage to total deaths.	Number of deaths.	Percentage to total deaths.	Number of deaths.	Percentage to total deaths.
1877	1,039	621	59.77	522	50.24	339	32.63
1878	1,041	653	62.73	541	51.97	354	32.61
1879	1,066	647	60.69	535	50.19	334	31.33
1880	988	592	59.92	529	53.54	351	35.53
1881	1,026	716	69.78	611	59.55	404	39.38
1882	1,099	731	66.52	631	57.42	410	37.31
1883	1,075	728	67.78	632	58.85	439	40.88
1884	1,254	801	63.88	687	54.78	465	37.08
1885	1,235	832	67.37	705	57.08	489	39.50
1886	1,130	803	71.06	702	62.12	458	40.53
1887	1,141	800	70.20	697	61.08	488	42.77
1888	1,322	898	67.92	791	59.83	530	40.09
1889	1,255	845	67.33	733	58.40	511	40.71
1890	1,303	883	67.76	781	59.94	525	40.29
1891	1,409	1,011	71.75	897	63.66	607	43.08
1892	1,595	1,134	71.10	990	62.07	686	43.01
1893	1,657	1,148	69.28	1,016	61.31	734	44.29
1894	1,514	1,070	70.67	943	62.28	703	46.43
1895	1,399	1,024	73.20	899	64.26	648	46.31
1896	1,492	1,065	71.38	951	63.74	706	47.32
1897	1,443	1,060	73.46	969	67.15	711	49.28
1898	1,407	1,056	75.05	983	70	693	49.25
Total deaths and mean percentages thereto.	27,889	19,168	68.73	16,746	60	11,532	41.34
Total whites	60,158	41,464	68.92	36,746	61.08	26,181	43.52

TABLE XI.—Showing deaths, arranged according to age, sex, and color, with percentages, for twenty-two years ended June 30, 1898—Continued.

COLORED MALES.

Years.	Total deaths.	5 years and over.		20 years and over.		40 years and over.	
		Number of deaths.	Percentage to total deaths.	Number of deaths.	Percentage to total deaths.	Number of deaths.	Percentage to total deaths.
1877	988	417	42.20	337	34.11	206	20.85
1878	1,007	394	39.13	311	30.88	197	19.56
1879	1,051	430	40.91	348	33.11	209	19.89
1880	1,025	407	39.71	325	31.71	186	18.15
1881	921	424	46.04	347	37.68	210	22.80
1882	1,062	500	47.08	462	37.85	245	23.07
1883	1,004	504	50.20	397	39.54	253	25.20
1884	1,081	481	44.50	381	35.24	242	22.39
1885	1,210	587	48.51	476	39.34	300	24.70
1886	1,077	574	53.29	458	42.52	297	27.57
1887	1,079	536	49.67	427	39.60	270	25.02
1888	1,049	536	51.09	440	41.94	301	28.69
1889	1,180	583	49.41	475	40.25	289	24.50
1890	1,292	682	52.79	532	41.17	352	27.24
1891	1,295	696	53.75	557	43.01	352	27.18
1892	1,369	740	54	600	43.82	382	27.90
1893	1,391	744	53.49	606	43.56	383	27.54
1894	1,252	714	57.81	587	47.22	357	28.40
1895	1,188	690	58.08	528	44.44	359	30.22
1896	1,290	682	52.87	574	44.50	360	27.91
1897	1,211	717	59.20	500	49.46	384	31.71
1898	1,209	676	57.57	561	46.40	343	28.37
Total deaths and mean percentages thereto.	25,331	12,714	50.20	10,358	40.89	6,477	25.57

COLORED FEMALES.

1877	1,033	518	50.45	396	38.33	221	21.30
1878	1,058	504	47.64	374	35.35	208	19.66
1879	1,062	523	49.25	424	39.92	230	21.06
1880	1,096	537	49	434	39.60	237	21.62
1881	1,010	525	51.91	448	44.36	231	22.87
1882	1,156	613	53.03	490	42.39	282	24.30
1883	1,012	540	53.36	422	41.70	243	24.01
1884	1,157	607	52.46	466	40.28	261	22.56
1885	1,178	664	56.37	510	43.29	319	27.80
1886	1,155	652	56.45	516	44.67	297	25.71
1887	1,102	598	54.26	459	41.65	284	25.77
1888	1,203	686	56.60	547	41.10	303	25
1889	1,259	666	52.90	509	40.43	293	23.27
1890	1,338	776	57.10	594	44.39	341	25.48
1891	1,319	746	56.55	609	46.17	368	27.89
1892	1,287	737	57.29	590	45.84	357	27.74
1893	1,384	750	54.84	598	43.21	371	26.80
1894	1,358	773	56.92	592	43.59	357	26.28
1895	1,263	815	64.53	649	51.38	412	28.43
1896	1,312	787	59.98	633	48.25	391	29.80
1897	1,310	794	60.61	650	49.62	372	28.47
1898	1,233	756	61.31	612	50.00	384	31.14
Total deaths and mean percentages thereto.	26,295	14,676	55.81	11,522	43.82	6,762	25.71
Total colored.....	51,626	27,390	53.03	22,060	42.73	13,239	25.64
Grand total and mean.	111,784	68,854	61.51	58,806	52.60	39,420	35.26

TABLE XII.—Deaths and average ages in eighteen years, from July 1, 1881, to June 30, 1898, inclusive.

WHITE.

Years.	All ages.			5 years and over.			20 years and over.			40 years and over.		
	Total deaths.		Average.	Total deaths.		Average.	Total deaths.		Average.	Total deaths.		Average.
1881.....	2,205	y. m. d.	32 0 1	1,507	y. m. d.	46 3 0	1,320	y. m. d.	51 3 8	913	y. m. d.	60 6 26
1882.....	2,353	32 1 6	1,585	46 7 5	1,382	51 7 23	951	62 3 13				
1883.....	2,270	32 4 22	1,548	45 9 2	1,341	51 10 20	972	60 10 23				
1884.....	2,576	31 1 28	1,686	46 8 13	1,451	52 5 15	1,037	61 1 28				
1885.....	2,610	32 3 4	1,789	46 2 17	1,546	51 3 17	1,090	61 3 18				
1886.....	2,442	34 6 19	1,752	46 10 22	1,543	51 8 20	1,068	61 10 1				
1887.....	2,484	34 1 17	1,740	47 7 15	1,542	52 3 6	1,084	61 11 19				
1888.....	2,778	33 2 28	1,876	48 0 28	1,666	52 10 12	1,181	62 5 14				
1889.....	2,713	32 8 6	1,814	47 11 2	1,606	52 6 5	1,159	61 5 11				
1890.....	2,934	33 8 0	2,038	47 3 9	1,819	51 11 29	1,267	61 10 5				
1891.....	3,106	34 7 25	2,212	48 4 11	1,989	52 8 5	1,437	62 2 21				
1892.....	3,442	34 6 7	2,436	48 2 16	2,165	52 10 1	1,552	62 4 23				
1893.....	3,677	34 1 19	2,590	49 2 9	2,345	52 10 2	1,731	61 9 18				
1894.....	3,329	35 9 26	2,330	50 0 7	2,075	51 10 17	1,557	62 7 26				
1895.....	3,114	36 9 22	2,295	49 10 16	2,060	53 9 1	1,569	62 7 26				
1896.....	3,302	35 7 23	2,335	50 4 2	2,121	54 7 17	1,585	62 1 19				
1897.....	3,216	38 3 26	2,370	51 3 28	2,193	54 5 22	1,633	64 1 15				
1898.....	2,973	38 5 26	2,210	50 10 25	2,050	52 7 21	1,475	63 5 10				
Total and mean ...	51,524	34 3 2	36,113	48 1 28	35,214	52 7 8	23,201	62 0 3				

COLORED.

	All ages.			5 years and over.			20 years and over.			40 years and over.		
	Total deaths.		Average.	Total deaths.		Average.	Total deaths.		Average.	Total deaths.		Average.
1881.....	1,931	y. m. d.	20 11 6	949	y. m. d.	41 9 13	795	y. m. d.	47 8 10	441	y. m. d.	63 1 4
1882.....	2,218	21 5 23	1,113	41 0 3	892	48 5 16	527	61 11 16				
1883.....	2,016	21 9 17	1,044	40 8 23	821	48 10 7	496	61 2 27				
1884.....	2,238	19 11 13	1,088	40 5 23	847	49 1 3	507	61 2 3				
1885.....	2,388	22 7 29	1,249	40 6 18	986	50 0 22	618	62 11 2				
1886.....	2,232	22 11 17	1,226	41 4 4	974	47 6 20	594	62 0 14				
1887.....	2,181	22 0 7	1,134	41 3 22	886	49 4 16	554	59 6 23				
1888.....	2,262	22 11 3	1,222	41 9 22	987	48 8 2	604	60 8 13				
1889.....	2,439	21 11 24	1,240	40 11 8	984	47 6 13	693	59 5 10				
1890.....	2,630	22 10 6	1,458	40 1 20	1,126	47 3 2	720	58 11 27				
1891.....	2,614	22 9 29	1,442	40 6 17	1,166	47 6 1	739	58 11 6				
1892.....	2,656	23 4 23	1,477	40 9 2	1,190	48 0 28	754	60 3 2				
1893.....	2,775	23 8 18	1,503	41 3 5	1,204	48 4 28	714	59 5 1				
1894.....	2,710	22 11 9	1,487	39 9 16	1,179	46 10 16	771	59 7 12				
1895.....	2,451	25 8 27	1,505	41 5 3	1,177	47 10 15	751	59 8 7				
1896.....	2,602	24 4 21	1,469	41 11 1	1,207	47 11 11	756	58 9 7				
1897.....	2,521	24 11 18	1,511	41 4 12	1,149	47 2 12	727	58 6 22				
1898.....	2,442	25 0 22	1,432	41 2 29	1,173	47 7 10						
Total and mean ...	43,306	22 1 3	23,549	41 0 11	18,843	48 1 13	11,548	60 4 1				
Aggregate	94,830	28 2 7	59,662	44 7 4	54,057	50 4 11	34,749	61 2 2				

TABLE XIII.—Deaths under 1 month of age from convulsions and trismus nascentium, by age and months, for year ended June 30, 1893.

BY AGE.

	Convulsions.					Trismus nascentium.				
	White.		Colored.		Total.	White.		Colored.		Total.
	Males.	Females.	Males.	Females.		Males.	Females.	Males.	Females.	
Under 1 day	—	—	—	1	1	—	—	—	—	—
1 day to 2 days	—	—	—	1	1	1	1	—	1	3
2 days to 3 days	—	—	—	—	—	1	—	—	—	1
3 days to 4 days	2	1	—	—	4	—	—	—	—	—
4 days to 5 days	1	—	1	1	3	—	—	2	—	2
5 days to 6 days	—	—	2	2	4	—	2	—	—	4
6 days to 7 days	—	1	2	—	3	—	—	1	—	1
7 days to 8 days	1	—	3	5	9	1	2	1	1	5
8 days to 9 days	2	1	3	5	11	—	—	—	1	1
9 days to 10 days	—	4	1	—	5	1	1	—	2	4
10 days to 11 days	2	—	—	—	2	—	—	—	1	1
11 days to 12 days	1	—	1	—	2	—	—	—	—	—
12 days to 13 days	1	—	1	—	2	—	1	—	—	1
13 days to 14 days	1	—	—	—	—	—	—	—	—	—
2 weeks to 3 weeks	1	—	1	1	3	—	1	1	1	3
3 weeks to 4 weeks	4	1	—	1	6	—	—	—	—	—
Total	15	4	18	19	56	4	8	7	7	26

BY MONTHS.

July	—	1	1	5	7	—	1	—	1	2
August	3	—	3	2	8	—	—	—	1	1
September	1	1	2	2	6	1	1	—	2	4
October	1	—	2	—	3	—	1	1	—	2
November	1	—	1	3	5	1	1	2	—	4
December	1	—	6	2	9	—	—	1	1	2
January	3	—	—	2	5	1	1	—	—	2
February	1	—	—	—	1	—	—	—	1	1
March	2	2	2	1	7	1	—	1	1	3
April	1	—	—	—	1	—	1	—	—	1
May	1	—	1	—	2	—	1	—	—	1
June	1	—	—	2	4	—	1	1	—	2
Total	15	4	18	19	56	4	8	7	7	26

TABLE XIV.—STILLBIRTHS.—*Cause, legitimacy, period of uterogestation, and by whom reported, for the year ended June 30, 1898.*

	White.		Colored.		Total.
	Male.	Female.	Male.	Female.	
Legitimacy:					
Legitimate	84	72	94	59	309
Illegitimate	30	11	82	71	194
Total	114	83	176	130	503
Period of uterogestation:					
Four months and under	7	5	11	18	41
Fifth month	6	7	16	17	46
Sixth month	14	9	26	14	63
Seventh month	23	10	24	17	74
Eighth month	10	13	25	19	67
Ninth month	53	38	74	45	210
Tenth month	1	1	0	0	2
Total	114	83	176	130	503
By whom reported:					
Physicians	89	72	129	84	374
Midwives					
Coroner	25	11	47	46	129
Total	114	83	176	130	503
Causes:					
Abortive habit			1		1
Anencephalous		1	1		2
Asphyxia	3		3	3	9
Contracted pelvis of mother	2	2			4
Cord:					
Pressure on	6	1			7
Prolapsus	1	3	1	1	6
Strangulated	5	1	3		9
Dystocia	8	2	5	1	16
Fall	3	5	1	3	12
Fright	2			2	4
Hydramnios	1				1
Hemorrhage of uterus		1			1
Injury to mother			6	1	7
Ill health of mother	5	2	5	1	13
Instrumental delivery		2	2	1	5
Large fetus (15 pounds)	1				1
Malformation of fetus		1			1
Macerated (in utero)			2	5	7
Ossification of skull	1				1
Overexertion of mother	4		7	7	18
Placenta previa	3	3	2	1	9
Placenta degenerated		1	3	2	6
Presentation:					
Breech	2	2	1	2	7
Cord	1				1
Face	1	1			2
Feet	1				1
Shoulder	1			1	2
Puerperal convulsions of mother	1	3	1	1	6
Syphilis		1	5	2	8
Twin pregnancy	1			1	2
Uremic convulsions of mother	1	3			4
Unknown	60	48	127	95	330
Total	114	83	176	130	503

TABLE XV.—BIRTHS REPORTED.—*Statement, by months and quarters, for the year ended June 30, 1898.*

Months and quarters.	Total.	White.		Colored.		Twins.		Illegiti- mate.		Attended by phy- sicians.		Attended by mid- wives.	
		Male.	Female.	Male.	Female.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
1897.													
July.....	434	127	132	82	93	12	0	13	48	173	71	86	104
August.....	377	118	102	74	83	8	0	8	41	142	64	78	93
September.....	363	111	98	79	75	0	4	6	39	134	62	75	92
Total first quarter.....	1,174	356	332	235	251	20	4	27	128	449	197	239	289
October.....	415	127	128	72	88	10	6	7	34	169	59	86	101
November.....	341	103	80	78	80	2	4	13	39	130	53	61	97
December.....	392	124	103	85	80	4	4	2	36	144	62	83	103
Total second quarter.....	1,148	354	311	235	248	16	14	22	109	443	174	230	301
1898.													
January.....	425	143	107	86	89	8	2	14	48	152	54	98	121
February.....	392	119	112	92	69	2	6	7	46	151	80	63	98
March.....	426	148	112	95	71	4	0	10	43	176	57	84	109
Total third quarter.....	1,243	410	331	273	229	14	8	31	137	479	191	245	328
April.....	361	109	99	83	70	0	2	7	39	133	55	75	98
May.....	406	101	128	90	87	8	6	5	53	168	65	61	112
June.....	377	100	106	98	73	6	10	4	52	127	77	79	94
Total fourth quarter.....	1,144	310	333	271	230	14	18	16	144	428	197	215	304
Total sex and color.....	4,709	1,430	1,307	1,014	958	64	44	96	518	1,799	759	929	1,222
Total by color.....	.....	2,737		1,972		64	44	96	518	.....	.....	.....	.....
Total for the year.....	.....	4,709				108		614		2,558		2,151	

TABLE XVI.—BIRTHS.—*Number of births (reported) in different hospitals during the year ended June 30, 1898.*

Month.	Color.	Sex.	Columbia Hospi- tal.	Freedmen's Hos- pital.	Washington Asy- lum Hospital.	Garfield Memorial Hospital.	National Homeo- pathic Hospital.	U. S. Soldiers' Home Hospital.
1897.								
July	White ..	Male	2	1		1		
		Female	5			1		
	Colored ..	Male	6	11			1	
		Female	7	12		1		1
August	White ..	Male	3	1		1		2
		Female	4			1		
	Colored ..	Male	3	8		4		2
		Female	7	9		3		1
September	White ..	Male	1			2		
		Female	8			2		
	Colored ..	Male	4	12		2		
		Female	8	6		3		1
October	White ..	Male	5			1		1
		Female	2			1		
	Colored ..	Male	6	11		1		2
		Female	11	5		3		1
November	White ..	Male	1			2		
		Female	5			2		
	Colored ..	Male	6	5		2		
		Female	6	10		1		
December	White ..	Male	2			1		2
		Female	4			1		1
	Colored ..	Male	4	13		1		
		Female	4	12		2		
1898.								
January	White ..	Male	6			2		
		Female	4			1		
	Colored ..	Male	10	6		2		1
		Female	4	10		2		1
February	White ..	Male	4					
		Female	1					
	Colored ..	Male	6	11		2		1
		Female	4	7		1		1
March	White ..	Male	4					4
		Female	4			2		
	Colored ..	Male	7	10				
		Female	8	6		2		
April	White ..	Male	2					3
		Female	4	1				
	Colored ..	Male	3	7				
		Female	8	6		2		1
May	White ..	Male	2	1				2
		Female	9	3				
	Colored ..	Male	9	4				1
		Female	8			1		2
June	White ..	Male	1					2
		Female	6	18				1
	Colored ..	Female	6	12		1		

RECAPITULATION.

	Total.	White.	Colored.	Males.	Females.
Columbia Hospital	232	80	152	108	124
Freedmen's Hospital	219	5	214	117	102
Washington Asylum Hospital	27	3	24	15	12
Garfield Memorial Hospital	50	29	21	26	24
National Homeopathic Hospital	39	13	26	28	11
U. S. Soldiers' Home Hospital	1	1		1	
Total	568	131	437	295	273

TABLE XVII.—MARRIAGES (REPORTED).—*Number of brides and grooms, year ended June 30, 1898.*

Number of marriages of grooms.	Number of marriages of brides.				
	First marriage.	Second marriage.	Third marriage.	Fourth marriage.	Total.
White:					
First marriage	843	52	1	.....	896
Second marriage	93	32	1	.....	126
Third marriage	1	3	1	.....	5
Fourth marriage	1	.....	.....	.....	1
Total	938	87	3	.....	1,028
Colored:					
First marriage	455	32	2	.....	489
Second marriage	40	35	.....	.....	75
Third marriage	3	2	.....	.....	5
Fourth marriage	1	.....	.....	.....	1
Total	499	69	2	.....	570
Grand total	1,437	156	5	.....	1,598

TABLE XVIII.—MARRIAGES (REPORTED).—*Nationality of brides and grooms of white race, year ended June 30, 1898.*

Birthplace of grooms.	Birthplace of brides.											
	United States.	England.	Ireland.	Scotland.	Germany.	Canada.	Italy.	France.	Russia.	Switzerland.	Portugal.	Total.
United States.....	942	8	9	2	4	4	...	...	...	...	...	969
England.....	11	1	...	...	...	...	...	...	...	1	...	13
Ireland.....	7	...	4	...	...	...	...	...	...	...	...	11
Scotland.....	5	...	...	1	...	...	...	...	...	...	...	6
Germany.....	7	...	...	...	7	...	...	...	...	...	...	14
Canada.....	4	...	1	...	...	...	...	...	...	...	...	5
Italy.....	2	...	...	...	...	...	4	...	...	...	...	6
France.....	1	...	...	...	...	...	...	...	...	...	...	1
Russia.....	1	...	...	...	...	...	...	...	1	...	...	2
Switzerland.....	1	...	...	...	...	...	...	...	...	...	...	...
Portugal.....	1	...	...	...	...	...	...	...	...	...	...	1
Total.....	981	9	14	3	11	4	4	...	1	1	...	1,028

TABLE XVI.—BIRTHS.—*Number of births (reported) in different hospitals during the year ended June 30, 1898.*

Month.	Color.	Sex.	Columbia Hospi- tal.	Freedmen's Hos- pital.	Washington Asy- lum Hospital.	Garfield Memorial Hospital.	National Homeo- pathic Hospital.	U. S. Soldiers', Home Hospital.
1897.								
July	White	Male	2	1		1		
		Female	5			1		
	Colored	Male	6	11			1	
August	White	Male	7	12		1	1	
		Female	3	1		1	2	
	Colored	Male	4			1		
September	White	Male	3	8		1	2	
		Female	7	9		4		
	Colored	Male	1			2	1	
October	White	Male	8			3		
		Female	4	12		2		
	Colored	Male	8	6		1	1	
November	White	Male	5			3		
		Female	2			1	1	
	Colored	Male	6	11		1		1
December	White	Male	11	5		1	2	
		Female	1		1	3		
	Colored	Male	5			2		
1898.	White	Male	6	5	3			
		Female	6	10	3	2		
	Colored	Male			1	1		
January	White	Male	2	1		1		
		Female	4			1	2	
	Colored	Male	4	13	1		1	
February	White	Male	4	12	2	1	1	
		Female						
	Colored	Male						
March	White	Male	6			2		
		Female	4					
	Colored	Male	10	6	1			
April	White	Male	4	10	2	2	1	
		Female	4				1	
	Colored	Male	4					
May	White	Male	1					
		Female	6	11		2	1	
	Colored	Male	4	7		1	1	
June	White	Male	4				4	
		Female	4			2		
	Colored	Male	7	10	1		4	
July	White	Male	8	6		2		
		Female	2					
	Colored	Male	4	1				
August	White	Male	3	7			3	
		Female	8	6	3			
	Colored	Male	2			2	1	
September	White	Male	2	1				
		Female	9	3	4		2	
	Colored	Male	9	4				
October	White	Male	8			1	1	
		Female	1				2	
	Colored	Male	6	18			2	
November	White	Male	6	12	1		1	
		Female						
	Colored	Male						

RECAPITULATION.

	Total.	White.	Colored.	Males.	Females.
Columbia Hospital	232	80	152	108	124
Freedmen's Hospital	219	5	214	117	102
Washington Asylum Hospital	27	3	24	15	12
Garfield Memorial Hospital	50	29	21	26	24
National Homeopathic Hospital	39	13	26	28	11
U. S. Soldiers' Home Hospital	1	1		1	
Total	568	131	437	295	273

TABLE XVII.—MARRIAGES (REPORTED).—*Number of brides and grooms, year ended June 30, 1898.*

Number of marriages of grooms.	Number of marriages of brides.				
	First marriage.	Second marriage.	Third marriage.	Fourth marriage.	Total.
White:					
First marriage	843	52	1	.....	896
Second marriage	93	32	1	.....	126
Third marriage	1	3	1	.....	5
Fourth marriage	1	.....	.....	.....	1
Total	938	87	3	.....	1,028
Colored:					
First marriage	455	32	2	.....	489
Second marriage	40	35	.....	.....	75
Third marriage	3	2	.....	.....	5
Fourth marriage	1	.....	.....	.....	1
Total	499	69	2	.....	570
Grand total	1,437	156	5	.....	1,598

TABLE XVIII.—MARRIAGES (REPORTED).—*Nationality of brides and grooms of white race, year ended June 30, 1898.*

Birthplace of grooms.	Birthplace of brides.									
	United States.	England.	Ireland.	Scotland.	Germany.	Canada.	Italy.	France.	Russia.	Switzerland.
United States	942	8	9	2	4	4	.....	.....	.....	.....
England	11	1	.....	.....	.....	.....	.....	.....	1	.....
Ireland	7	.....	4	.....	.....	.....	.....	.....	.....	.....
Scotland	5	.....	.....	1	.....	.....	.....	.....	.....	.....
Germany	7	.....	.....	.....	7	.....	.....	.....	.....	.....
Canada	4	.....	1	.....	.....	.....	.....	.....	.....	.....
Italy	2	.....	.....	.....	.....	.....	4	.....	.....	.....
France	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Russia	1	.....	.....	.....	.....	.....	.....	1	.....	.....
Switzerland .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portugal	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	981	9	14	3	11	4	4	.....	1	1

TABLE XIX.—MARRIAGES (REPORTED).—*Ages of brides and grooms of white race for year ended June 30, 1898.*

Ages of grooms.	Ages of brides.									Total.
	Under 20 years.	20 to 25 years.	25 to 30 years.	30 to 40 years.	40 to 50 years.	50 to 60 years.	60 to 70 years.	70 to 80 years.	80 to 90 years.	
Under 20 years	1	—	—	—	—	—	—	—	—	1
20 to 25 years	121	211	16	2	—	—	—	—	—	350
25 to 30 years	55	184	87	15	—	1	1	—	—	343
30 to 40 years	14	75	72	58	2	—	—	—	—	221
40 to 50 years	2	16	18	27	10	2	—	—	—	75
50 to 60 years	—	2	2	14	6	2	—	—	—	26
60 to 70 years	—	1	—	2	2	2	—	—	—	7
70 to 80 years	—	—	—	1	1	—	—	1	—	3
80 to 90 years	—	—	1	—	—	1	—	—	—	2
Total	193	279	196	119	21	8	1	1	—	1,028

TABLE XX.—MARRIAGES (REPORTED).—*Ages of brides and grooms of colored race for year ended June 30, 1898.*

Ages of grooms.	Ages of brides.									Total.
	Under 20 years.	20 to 25 years.	25 to 30 years.	30 to 40 years.	40 to 50 years.	50 to 60 years.	60 to 70 years.	70 to 80 years.	80 to 90 years.	
Under 20 years	1	1	—	—	—	—	—	—	—	2
20 to 25 years	81	143	13	5	1	—	—	—	—	243
25 to 30 years	10	99	51	5	—	—	—	—	—	165
30 to 40 years	1	27	35	27	—	—	—	—	—	90
40 to 50 years	1	7	8	17	4	—	—	—	—	37
50 to 60 years	1	2	2	4	12	2	—	—	—	23
60 to 70 years	—	—	—	3	3	2	—	—	—	8
70 to 80 years	—	—	1	—	—	—	1	—	—	2
Total	95	279	110	61	20	4	1	—	—	570

TABLE XXI.—Deaths and death rates for the last twenty-three fiscal years.

Years.	July.					August.					September.				
	White.		Colored.		Annual death rate for total population.	White.		Colored.		Annual death rate for total population.	White.		Colored.		Annual death rate for total population.
	Deaths.	Annual death rate.	Deaths.	Annual death rate.		Deaths.	Annual death rate.	Deaths.	Annual death rate.		Deaths.	Annual death rate.	Deaths.	Annual death rate.	
1875	223	25.46	203	54.63	32.77	227	25.81	218	52.12	34.01	162	18.68	194	47.61	27.93
1876	298	32.78	269	57.62	42.24	209	27.88	188	43.39	29.44	172	19.34	177	41.74	26.57
1877	224	24.07	252	46.15	34.50	206	22.25	208	46.42	30.11	164	17.97	154	34.95	23.38
1878	222	23.12	251	50.00	33.14	201	20.94	224	47.93	29.77	156	16.66	147	32.10	21.73
1879	250	25.49	242	45.47	33.40	182	18.47	179	36.33	24.56	154	16.04	171	35.92	22.62
1880	192	19.15	179	49.08	24.53	154	15.23	171	33.55	21.37	197	19.99	168	33.94	24.66
1881	236	22.77	245	29.44	30.77	208	20.07	226	42.90	27.76	201	19.84	202	39.12	26.35
1882	230	21.70	214	36.01	27.03	165	15.54	176	32.65	21.17	141	13.57	163	30.36	18.23
1883	300	28.15	210	30.88	31.39	198	18.41	201	36.02	24.57	168	15.76	168	30.10	20.68
1884	223	20.44	202	36.19	25.50	245	22.40	199	34.46	26.64	236	21.67	190	32.90	25.56
1885	323	28.50	272	47.30	34.82	210	18.53	183	32.69	22.13	194	17.12	169	29.39	21.25
1886	218	18.64	222	38.06	25.14	220	18.86	308	34.80	24.17	247	21.17	192	32.91	25.09
1887	310	28.13	235	37.60	20.07	224	17.92	188	30.08	21.98	233	18.64	200	32.00	23.10
1888	272	19.20	243	36.45	24.75	264	18.63	279	41.85	26.06	214	15.10	210	31.50	20.35
1889	277	19.25	265	38.25	25.33	274	19.34	232	34.80	24.28	210	14.82	202	30.30	19.77
1890	252	17.79	237	35.55	23.47	220	15.53	203	30.42	20.30	248	17.51	195	29.25	21.26
1891	290	19.68	200	36.70	25.38	281	19.27	227	32.05	23.45	249	17.06	228	32.19	22.02
1892	472	29.09	303	48.40	35.16	307	18.90	222	29.60	22.32	296	18.22	230	30.66	22.14
1893	289	18.00	320	42.66	25.64	279	17.17	253	31.07	21.56	252	15.51	218	29.07	19.80
1894	302	19.75	283	37.90	25.95	235	15.36	190	24.21	18.51	273	17.80	180	24.82	20.09
1895	302	18.94	268	36.22	24.40	297	18.56	259	35.00	22.76	242	15.13	217	29.32	19.62
1896	334	20.08	344	46.48	28.92	334	20.08	231	31.21	24.12	204	12.07	206	27.84	17.52
1897	259	16.20	261	35.28	22.32	237	12.96	228	30.84	18.60	260	16.32	195	26.40	19.44
Total	6,299		5,914			5,347		4,873			4,873		4,276		
Mean	273.8		257.1			232.5		211.9			211.9		185.9		

Years.	October.					November.					December.				
	White.		Colored.		Annual death rate for total population.	White.		Colored.		Annual death rate for total population.	White.		Colored.		Annual death rate for total population.
	Deaths.	Annual death rate.	Deaths.	Annual death rate.		Deaths.	Annual death rate.	Deaths.	Annual death rate.		Deaths.	Annual death rate.	Deaths.	Annual death rate.	
1875	147	16.95	170	41.72	24.87	143	16.49	142	34.85	22.36	147	16.95	146	35.83	22.99
1876	164	18.44	167	39.40	25.20	135	15.19	119	28.08	19.34	165	18.55	133	31.38	22.69
1877	181	19.83	152	34.59	24.61	155	16.99	129	29.28	20.99	157	17.20	145	32.91	22.32
1878	185	19.76	146	31.88	23.74	155	16.56	141	30.79	21.23	169	18.05	152	33.19	23.02
1879	129	13.43	127	28.68	17.82	147	15.31	130	27.31	19.28	162	16.87	151	31.72	24.79
1880	188	19.08	176	35.55	24.59	162	16.44	134	27.07	20.00	211	21.41	129	26.65	22.97
1881	234	23.10	179	34.67	27.00	211	20.83	169	32.73	23.76	173	17.08	145	28.08	20.79
1882	180	17.32	176	32.83	22.50	162	15.59	154	28.69	20.05	183	17.61	137	25.32	20.20
1883	161	14.16	133	23.83	17.48	182	17.07	175	31.34	21.98	254	23.82	213	37.84	24.60
1884	193	17.72	175	30.30	22.08	204	18.73	148	25.63	21.12	188	17.26	177	30.65	21.90
1885	159	14.03	166	28.87	19.02	158	14.68	169	29.39	19.14	195	17.21	161	28.00	20.35
1886	221	18.94	188	32.23	23.37	194	16.63	166	28.40	20.57	192	16.43	154	26.34	19.77
1887	217	17.36	141	22.56	18.76	175	14.00	168	26.81	18.29	212	17.96	149	23.84	19.25
1888	227	16.02	201	30.15	20.54	189	13.34	148	22.20	16.17	208	14.68	142	21.30	17.95
1889	240	16.94	164	24.60	19.39	194	13.69	173	25.95	17.61	215	15.17	207	21.05	20.25
1890	240	16.94	187	23.05	20.49	115	15.25	164	26.00	18.27	249	17.57	202	30.30	21.64
1891	296	20.30	199	28.10	22.84	265	18.17	184	24.60	18.27	301	20.64	216	30.50	23.86
1892	283	17.38	224	29.87	21.34	242	15.00	182	24.27	21.36	278	17.10	215	28.66	20.76
1893	273	17.11	184	24.53	19.45	230	14.15	178	23.73	17.18	335	20.64	185	24.66	21.90
1894	246	16.04	236	32.55	21.38	231	15.06	178	24.55	18.14	260	17.00	196	27.04	20.23
1895	357	22.41	206	27.84	24.05	259	16.19	190	25.79	19.19	261	16.31	168	22.70	18.53
1896	284	17.05	192	25.94	20.40	236	14.70	163	22.02	16.88	265	16.50	162	21.90	18.24
1897	222	13.92	178	24.12	17.16	258	16.32	183	21.96	18.96	243	15.24	210	28.44	19.32
Total	5,022		4,067			4,503		3,686			5,014		3,895		
Mean	218.4		176.8			195.8		160.3			218.0		163.4		

TABLE XXI.—Deaths and death rates for the last twenty-three fiscal years—Continued.

Years.	January.					February.					March.				
	White.		Colored.		Annual death rate for total population.	White.		Colored.		Annual death rate for total population.	White.		Colored.		Annual death rate for total population.
	Deaths.	Annual death rate.	Deaths.	Annual death rate.		Deaths.	Annual death rate.	Deaths.	Annual death rate.		Deaths.	Annual death rate.	Deaths.	Annual death rate.	
1876	160	17.99	137	32.32	22.61	148	17.48	162	40.17	24.58	192	21.58	173	40.82	27.79
1877	182	19.94	147	33.36	24.31	172	20.47	175	43.14	27.86	199	21.81	168	36.24	27.12
1878	178	19.01	165	36.03	24.60	158	18.34	128	39.35	22.28	198	21.15	148	32.51	24.82
1879	212	22.97	162	34.03	26.04	161	18.21	174	39.70	25.33	180	18.74	197	41.58	26.24
1880	168	17.65	156	31.51	21.89	193	20.43	181	38.45	20.57	155	15.73	198	40.06	23.85
1881	202	19.98	138	26.81	22.29	176	18.91	186	39.25	25.73	187	18.50	185	35.96	24.39
1882	168	16.20	165	30.84	21.18	171	17.91	196	39.79	25.36	218	21.02	170	31.77	24.68
1883	182	17.29	158	28.87	21.25	170	17.54	158	31.59	22.27	236	22.42	190	35.81	27.00
1884	252	23.14	201	34.81	27.18	202	19.51	200	36.42	25.37	233	21.39	181	31.34	24.34
1885	196	18.00	182	31.52	22.68	232	23.13	213	40.06	29.00	253	23.23	214	37.05	28.02
1886	225	19.85	153	26.61	22.13	196	18.79	203	38.35	25.37	246	21.71	192	33.39	25.64
1887	210	16.80	159	25.44	19.68	165	13.20	145	23.20	20.42	213	17.04	170	27.20	20.42
1888	221	15.80	187	28.65	19.58	251	17.72	182	23.20	20.42	202	20.60	236	35.40	25.34
1889	222	15.67	203	31.29	20.64	206	14.54	177	25.80	18.38	260	18.35	210	31.50	22.56
1890	311	22.00	287	45.00	28.75	210	14.82	184	27.60	18.91	260	18.35	225	33.75	23.28
1891	220	15.08	194	27.39	19.10	235	16.11	179	25.27	23.72	306	20.98	286	40.40	27.32
1892	378	25.92	265	37.40	30.14	267	18.31	237	33.44	20.68	283	19.37	208	29.36	22.66
1893	301	18.71	231	30.80	22.56	245	15.08	216	28.80	18.44	353	21.72	238	31.62	24.84
1894	281	17.30	190	25.33	19.83	237	14.60	205	27.33	18.91	290	18.99	244	32.53	22.48
1895	270	17.60	178	24.55	19.87	275	18.00	200	27.60	21.07	291	19.00	224	30.89	22.84
1896	282	17.62	226	30.54	21.71	289	18.06	204	27.57	21.07	292	13.09	236	31.89	22.56
1897	291	18.20	201	27.16	21.00	312	19.50	216	29.17	22.56	280	17.50	218	30.00	21.24
1898	253	15.96	175	23.64	18.24	250	15.60	186	25.08	18.72	278	17.40	202	24.24	20.52
Total	5,364		4,265			4,921		4,307			5,695		4,620		
Mean	233.2		185.4			213.9		187.3			247.6		200.9		

Years.	April.					May.					June.				
	White.		Colored.		Annual death rate for total population.	White.		Colored.		Annual death rate for total population.	White.		Colored.		Annual death rate for total population.
	Deaths.	Annual death rate.	Deaths.	Annual death rate.		Deaths.	Annual death rate.	Deaths.	Annual death rate.		Deaths.	Annual death rate.	Deaths.	Annual death rate.	
1876	143	16.08	153	36.12	22.54	141	15.85	138	32.57	21.24	253	28.44	238	56.15	37.39
1877	148	16.22	145	32.91	21.65	156	17.10	132	29.96	21.28	187	20.49	201	45.62	28.67
1878	145	15.49	174	37.99	22.70	190	20.30	184	40.17	26.83	210	22.43	226	49.34	31.27
1879	176	18.33	158	33.19	23.25	148	15.41	148	31.09	20.61	231	24.05	213	44.74	30.91
1880	160	16.24	165	33.33	21.95	165	16.75	183	36.97	23.51	226	22.33	238	48.08	30.94
1881	191	18.90	194	37.69	25.24	175	17.81	121	23.51	19.40	170	16.82	150	29.15	20.98
1882	178	17.16	160	29.90	21.50	155	14.95	171	32.42	22.92	200	19.29	190	35.51	24.81
1883	219	20.81	162	29.60	23.81	203	19.29	153	27.75	22.25	199	18.61	169	30.88	23.00
1884	225	21.42	175	30.30	24.00	177	16.25	172	39.78	20.94	234	21.48	209	36.19	26.58
1885	210	19.28	220	38.10	25.30	181	16.62	207	35.84	23.28	248	22.77	261	45.19	30.54
1886	184	16.32	194	33.74	22.13	158	15.94	170	29.69	19.26	193	17.03	195	33.91	22.71
1887	182	14.56	173	27.68	18.98	159	15.72	172	27.52	17.65	262	20.96	237	37.92	26.61
1888	211	14.40	196	29.40	19.53	185	13.06	162	24.30	16.80	247	17.40	218	32.70	22.32
1889	213	15.03	189	28.35	19.29	182	12.84	164	24.60	16.60	256	18.07	228	34.20	23.23
1890	198	14.00	195	29.35	18.86	238	19.75	217	32.55	21.83	307	21.67	289	43.35	28.60
1891	387	26.54	310	43.76	32.17	227	15.54	230	32.47	21.10	306	20.98	247	34.87	25.52
1892	244	14.44	202	28.52	20.58	361	17.90	173	24.42	30.03	327	22.42	257	36.28	26.03
1893	282	17.33	200	26.66	20.40	259	15.94	214	28.53	19.92	356	21.91	240	22.00	24.96
1894	256	15.75	218	29.07	19.96	229	14.10	222	29.60	19.00	373	22.95	313	41.73	28.90
1895	275	18.00	210	28.99	21.52	229	14.93	178	24.55	18.05	227	14.80	198	31.31	18.87
1896	256	16.00	223	30.14	20.47	220	13.75	174	23.51	16.84	244	15.25	231	31.22	20.03
1897	226	14.12	189	25.54	17.76	205	12.81	175	23.85	16.20	245	15.50	224	30.27	20.04
1898	242	15.12	178	24.12	18.00	243	15.24	196	26.42	18.72	258	16.32	250	33.84	21.72
Total	4,951		4,383			4,486		4,156			5,753		5,222		
Mean	215.3		190.6			196.0		180.7			250.1		227.0		

TABLE XXII.—Deaths of children under 1 year of age, by months, sex, and color, during twenty-three years, from July 1, 1875, to June 30, 1898.

Years.	July.					August.					September.				
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.			
1876	58	57	50	55	220	37	43	32	37	149	25	17	34	36	112
1877	35	47	48	51	181	27	39	30	28	124	15	16	16	10	57
1878	21	27	29	31	108	37	28	43	41	149	14	13	26	27	80
1879	34	31	44	57	166	23	31	46	42	142	14	23	22	19	78
1880	57	54	66	43	220	27	27	48	27	129	22	14	26	24	86
1881	38	36	36	47	157	22	16	27	36	101	12	15	38	29	94
1882	47	46	65	62	220	38	30	35	45	148	32	28	29	31	120
1883	63	31	59	49	202	21	13	24	26	84	16	13	29	19	77
1884	46	68	56	46	216	28	22	42	38	130	14	27	24	25	90
1885	32	30	46	38	146	38	47	44	43	172	35	34	39	27	135
1886	49	57	59	56	221	24	25	36	35	120	26	16	21	28	91
1887	35	36	50	49	170	41	24	44	39	148	23	27	45	18	113
1888	63	54	44	58	219	35	27	31	40	133	27	27	29	36	119
1889	52	56	65	54	227	54	29	59	68	210	39	23	35	33	130
1890	43	44	47	47	181	41	42	45	45	173	23	21	28	28	100
1891	55	43	51	44	193	31	31	42	34	138	36	31	42	32	141
1892	54	47	57	58	216	37	30	41	36	144	28	27	34	32	121
1893	78	83	82	81	324	35	43	39	52	169	33	28	36	29	136
1894	55	53	84	75	267	42	44	43	45	174	42	18	35	35	130
1895	48	52	52	55	207	34	16	35	32	117	27	33	33	28	121
1896	55	64	81	55	255	56	35	57	35	183	38	26	33	33	130
1897	63	55	73	89	280	48	40	49	39	176	30	24	32	24	110
1898	44	40	42	55	181	31	20	45	32	128	20	36	38	33	127
Total	1,125	1,111	1,286	1,255	4,777	807	702	937	895	3,341	541	537	724	646	2,498
Total by color ..	2,236		2,541		.....	1,509		1,832		.....	1,128		1,370		.....
Total males	2,411				.....	1,744				.....	1,315				.....
Total females ..	2,366				.....	1,597				.....	1,183				.....

Years.	October.					November.					December.				
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.	M.	F.	
1876	5	5	14	13	39	4	7	7	14	32	8	3	20	10	41
1877	14	9	30	25	78	12	6	16	19	53	11	10	24	27	72
1878	14	15	22	17	68	15	10	18	22	65	9	6	25	24	64
1879	11	14	25	18	68	13	5	32	18	68	19	10	24	16	69
1880	12	4	25	22	63	16	9	19	21	65	14	11	27	21	73
1881	20	8	28	24	80	15	5	19	23	62	16	9	20	27	72
1882	22	17	32	14	85	17	16	30	20	83	13	13	20	20	66
1883	24	23	24	26	97	11	12	25	19	67	9	14	23	17	63
1884	16	18	19	12	58	13	14	20	19	66	20	9	24	33	86
1885	15	20	30	21	86	19	14	21	19	73	22	11	25	21	79
1886	13	8	19	21	61	14	15	23	20	72	13	10	20	16	59
1887	27	23	35	26	111	13	11	25	22	71	23	7	21	14	65
1888	25	8	28	24	85	11	11	17	21	60	24	13	21	22	80
1889	17	26	27	30	100	23	15	13	23	74	12	23	32	27	94
1890	21	17	22	17	77	20	15	22	11	68	13	11	24	27	75
1891	23	16	21	26	86	18	18	19	23	78	27	15	22	28	92
1892	26	28	33	28	115	17	12	31	12	72	33	18	30	30	111
1893	33	18	40	27	117	20	14	26	22	82	25	15	29	27	96
1894	30	22	27	10	89	20	17	27	24	88	25	19	23	14	81
1895	24	20	29	31	104	17	15	24	16	72	22	14	23	17	76
1896	34	21	41	27	123	20	17	20	31	88	26	20	19	20	85
1897	26	19	20	21	86	19	17	21	24	81	21	21	19	12	73
1898	29	16	28	15	88	24	19	24	15	82	19	15	30	31	95
Total	482	368	619	495	1,964	371	294	499	458	1,622	424	297	545	501	1,767
Total by color..	850		1,114		.....	665		957		.....	721		1,046		.....
Total males....	1,101				.....	870				.....	969				.....
Total females...	863				.....	752				.....	798				.....

TABLE XXII.—Deaths of children under 1 year of age, by months, sex, and color, during twenty-three years, from July 1, 1875, to June 30, 1898—Continued.

Years.	January.					February.					March.				
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.			
1876.....	6	8	15	13	42	12	6	17	10	45	11	10	25	12	58
1877.....	20	18	24	18	80	19	18	28	32	97	25	17	24	19	95
1878.....	13	12	30	24	79	18	7	20	12	57	23	16	22	15	76
1879.....	22	19	29	24	85	13	12	23	28	76	27	15	33	23	98
1880.....	18	19	16	20	71	21	22	26	22	91	13	13	25	26	87
1881.....	11	18	15	20	64	20	12	19	34	85	14	15	25	26	80
1882.....	7	11	25	21	64	11	7	23	32	73	16	14	36	24	90
1883.....	22	7	23	29	81	15	3	26	23	67	9	19	26	21	75
1884.....	18	16	31	29	94	19	9	18	25	71	17	11	24	25	77
1885.....	19	10	27	18	74	21	11	30	31	93	25	15	30	20	90
1886.....	24	17	16	29	86	25	5	29	17	76	13	19	25	21	78
1887.....	16	15	24	20	75	9	4	21	14	46	24	15	26	24	89
1888.....	17	12	33	28	90	18	11	29	24	82	20	20	42	25	116
1889.....	27	12	34	29	102	13	15	29	22	79	36	30	32	21	99
1890.....	23	16	33	34	106	15	13	24	24	76	25	13	30	19	87
1891.....	13	12	24	24	73	23	17	25	20	85	18	18	29	29	104
1892.....	45	25	54	39	163	24	19	35	31	109	25	20	23	24	92
1893.....	24	20	41	41	126	26	22	32	37	117	35	23	38	35	131
1894.....	25	19	32	16	92	19	16	31	26	92	31	22	33	29	115
1895.....	24	18	22	25	89	20	16	31	20	87	28	28	22	29	107
1896.....	26	12	30	29	97	29	18	26	21	94	29	20	32	29	110
1897.....	28	23	27	20	98	26	20	18	33	97	28	19	33	27	107
1898.....	19	21	24	20	84	14	17	31	13	75	31	16	20	24	91
Total.....	465	351	629	570	2,015	430	300	591	551	1,872	513	407	685	547	2,152
Total by color..	816		1,199		.....	730		1,142		.....	920		1,232		.....
Total males....	1,094				.....	1,021				.....	1,198				.....
Total females..	921				.....	851				.....	954				.....

Years.	April.					May.					June.					Grand totals by months.
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.	
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.	M.	F.		
1876.....	7	5	21	10	43	12	10	12	17	51	58	44	52	45	199	1,041
1877.....	9	18	25	15	67	11	13	24	20	68	42	32	46	41	161	1,133
1878.....	10	13	32	26	81	38	30	45	42	155	49	28	65	41	183	1,165
1879.....	24	15	20	20	79	15	15	21	16	67	52	55	55	48	210	1,206
1880.....	13	15	33	23	84	29	22	32	31	114	47	48	60	67	222	1,305
1881.....	14	14	26	21	75	14	6	24	12	56	39	18	32	26	115	1,041
1882.....	8	14	17	18	57	14	6	33	15	68	39	32	38	54	163	1,237
1883.....	11	14	18	20	73	18	16	20	12	66	30	24	39	34	127	1,079
1884.....	15	10	21	18	64	17	7	24	17	65	45	50	50	43	188	1,205
1885.....	18	15	40	17	90	9	13	23	23	68	45	38	63	49	195	1,301
1886.....	18	15	39	19	91	14	6	25	25	70	35	25	32	33	125	1,160
1887.....	14	13	26	22	75	14	13	25	24	76	64	50	57	68	239	1,280
1888.....	22	15	23	27	87	18	13	29	22	82	40	60	48	54	202	1,355
1889.....	19	13	28	24	84	12	11	17	26	66	60	38	54	52	204	1,468
1890.....	18	14	32	14	78	35	22	49	45	151	62	57	70	68	257	1,429
1891.....	31	15	40	37	123	23	16	25	35	99	71	44	59	47	221	1,433
1892.....	17	18	35	23	83	25	20	28	13	86	71	56	66	59	249	1,571
1893.....	28	17	36	23	104	24	25	37	30	116	59	59	58	50	226	1,744
1894.....	29	13	33	25	100	19	22	33	84	108	83	66	79	82	310	1,646
1895.....	26	17	23	22	88	24	17	25	20	86	30	20	31	22	103	1,257
1896.....	19	13	28	22	82	19	16	29	18	82	53	34	54	53	194	1,523
1897.....	20	18	14	21	73	23	9	26	21	79	40	27	41	43	151	1,411
1898.....	14	6	20	17	57	15	20	30	17	82	44	33	50	50	177	1,267
Total....	404	320	640	484	1,848	442	348	636	535	1,961	1,158	938	1,199	1,126	4,421	30,257
Total by color..	724		1,124		.....	790		1,171		.....	2,096		2,325		{W. C.}	13,203 17,054
Total males....	1,044				.....	1,078				.....	2,357				.....	13,389
Total females..	804				.....	883				.....	2,064				.....	16,868

TABLE XXIII.—Deaths of children under 5 years of age in the District of Columbia during eighteen fiscal years, less those by violence.

Year.	July.			August.			September.			October.			November.			December.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1880..	86	120	206	69	95	164	56	95	151	67	79	146	52	65	117	53	68	121
1881..	114	145	259	95	125	220	86	101	187	71	86	157	66	87	145	40	67	107
1882..	108	133	241	50	91	141	40	85	125	71	68	139	45	72	117	49	57	106
1883..	149	140	289	75	117	192	70	88	158	39	71	110	46	85	131	79	118	197
1884..	72	113	185	114	118	232	94	103	197	52	71	123	50	58	108	53	73	126
1885..	131	158	289	66	100	166	67	72	139	35	66	101	39	76	115	41	61	102
1886..	185	113	198	83	118	201	77	98	175	65	96	161	41	71	112	42	56	98
1887..	137	118	255	83	92	175	79	86	165	51	61	112	37	56	93	57	70	127
1888..	141	145	286	123	171	294	86	106	192	59	61	150	57	56	113	48	91	139
1889..	105	124	229	119	113	232	71	80	151	73	60	133	50	65	115	49	73	122
1890..	117	127	244	79	106	185	90	103	193	63	68	131	53	61	114	58	72	130
1891..	130	141	271	93	112	205	87	105	192	81	87	168	57	69	126	72	86	158
1892..	202	205	407	96	110	206	87	102	199	80	98	178	56	65	121	61	75	136
1893..	125	182	307	118	116	234	80	101	181	75	64	139	53	67	120	59	51	110
1894..	122	133	255	77	93	170	80	83	163	69	84	153	55	55	110	55	61	116
1895..	145	156	301	120	116	236	83	93	176	87	95	182	52	71	123	70	55	125
1896..	148	190	338	112	120	232	68	72	140	57	70	127	43	61	104	54	50	104
1897..	111	125	236	69	115	184	74	94	168	55	65	120	66	67	133	47	79	126
Total	2,228	2,468	4,696	1,641	2,028	3,669	1,375	1,667	3,042	1,150	1,380	2,530	908	1,209	2,117	987	1,263	2,550

Year.	January.			February.			March.			April.			May.			June.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1881..	47	59	106	49	87	136	51	98	149	50	87	137	45	52	97	71	77	148
1882..	54	77	131	62	96	158	73	84	157	48	57	99	65	68	133	102	110	212
1883..	52	75	127	36	74	113	82	89	171	48	84	132	58	55	113	80	89	169
1884..	74	106	180	68	97	165	59	87	140	62	65	127	46	69	115	123	123	246
1885..	56	80	136	58	104	162	69	88	157	49	104	153	42	83	125	112	144	256
1886..	61	70	131	57	75	132	46	85	131	37	89	126	30	66	96	80	88	168
1887..	46	62	108	23	61	84	58	79	137	52	72	124	38	68	106	135	153	288
1888..	49	96	145	67	88	155	95	105	200	61	77	138	54	74	128	129	117	246
1889..	66	103	169	38	81	119	66	90	156	53	77	130	37	58	95	125	123	248
1890..	62	123	185	39	77	116	54	83	137	45	74	119	75	125	200	154	175	329
1891..	49	80	129	65	82	147	62	128	190	66	118	184	60	99	159	133	131	264
1892..	93	117	210	63	98	161	67	75	142	56	76	132	58	63	121	149	150	299
1893..	63	105	168	71	102	173	76	98	174	65	78	143	70	88	158	143	124	267
1894..	60	74	134	57	82	139	76	101	177	55	83	138	55	87	142	171	188	359
1895..	61	66	127	57	79	136	67	85	152	59	66	125	62	60	122	66	80	146
1896..	68	86	154	65	85	150	77	102	179	53	74	127	48	67	115	99	123	222
1897..	67	71	138	65	74	139	62	86	148	48	55	103	43	64	107	79	104	183
1898..	53	59	112	52	65	117	66	74	140	38	63	101	49	76	125	96	127	223
Total	1,081	1,509	2,590	995	1,507	2,502	1,206	1,631	2,837	945	1,393	2,338	935	1,322	2,257	2,047	2,226	4,273

TABLE XXIV.—Percentage of deaths of those under 1 year old to total deaths of all ages; also to total births and to total deaths of those under 5 years of age, and total deaths per 1,000 inhabitants of children under 5 years of age, for twenty-three years, from July 1, 1875, to June 30, 1898, inclusive.

Year.	Total deaths of those under 1 year old.	Total deaths of all ages.	Percentage of deaths of those under 1 year old to total deaths of all ages.	Total births (reported), not including stillbirths.	Percentage of deaths of those under 1 year old to total births, not including stillbirths.	Total deaths of those under 5 years old.	Percentage of deaths of those under 1 year old to total deaths of those under 5 years old.	Total deaths per 1,000 inhabitants of those under 1 year old.	Percentage of deaths of those under 5 years old to total births, excluding stillbirths.	Total deaths per 1,000 inhabitants of those under 5 years of age.
1876.....	1,041	4,160	25.00	4,289	24.27	1,563	66.60	6.60	46.58	9.91
1877.....	1,133	4,208	26.92	3,811	29.73	1,856	61.01	6.97	48.70	11.43
1878.....	1,165	4,231	27.53	3,912	29.78	1,806	64.50	6.96	46.16	10.80
1879.....	1,206	4,309	27.98	3,816	31.60	2,020	59.70	6.99	52.93	11.72
1880.....	1,305	4,207	23.39	4,095	31.86	1,958	71.75	7.35	47.81	11.02
1881.....	1,041	4,136	25.17	3,595	28.96	1,678	62.04	5.68	43.00	9.17
1882.....	1,237	4,571	27.06	3,391	36.48	1,873	66.00	6.55	55.23	9.92
1883.....	1,079	4,286	25.18	3,116	34.95	1,669	65.25	5.67	53.56	8.69
1884.....	1,205	4,814	25.03	3,224	37.38	2,034	59.24	6.03	63.09	10.17
1885.....	1,301	4,998	26.03	3,334	39.05	1,957	66.48	6.55	58.69	9.78
1886.....	1,160	4,674	25.24	3,516	33.56	1,703	69.29	5.66	48.43	8.30
1887.....	1,280	4,665	27.43	3,728	34.33	1,791	71.47	6.09	48.04	8.53
1888.....	1,355	5,040	26.80	3,670	36.91	1,935	70.00	6.00	52.72	8.60
1889.....	1,468	5,152	28.49	4,001	36.69	2,089	70.27	5.87	52.21	8.35
1890.....	1,429	5,564	25.64	4,070	35.06	2,067	69.03	5.70	50.78	8.26
1891.....	1,433	5,720	25.00	4,344	32.97	2,070	69.22	5.73	47.44	8.28
1892.....	1,571	6,098	25.76	4,614	34.04	2,183	71.96	6.64	47.31	8.40
1893.....	1,744	6,452	27.50	4,458	39.79	2,361	75.56	6.23	52.96	8.28
1894.....	1,646	6,039	27.25	5,042	32.64	2,222	73.63	5.77	44.07	7.80
1895.....	1,257	5,565	22.57	4,797	26.20	1,775	70.82	4.67	37.00	6.45
1896.....	1,523	5,904	25.80	4,706	32.36	2,090	72.87	5.42	44.41	7.44
1897.....	1,411	5,737	24.59	4,575	30.85	1,853	76.14	5.00	40.52	6.60
1898.....	1,267	5,415	23.39	4,709	26.90	1,785	70.10	4.52	37.90	6.37

TABLE XXV.—Deaths of persons over 60 years of age, less those by violence.

Years.	July.			August.			September.			October.			November.			December.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1880.....	29	18	47	20	18	38	39	21	60	44	18	62	27	16	43	45	21	66
1881.....	43	20	63	38	26	64	26	18	44	52	21	73	44	21	65	49	22	71
1882.....	34	21	55	31	22	53	26	25	51	31	29	60	29	17	46	37	21	58
1883.....	51	19	70	38	28	66	33	16	49	32	16	48	49	17	66	64	24	88
1884.....	41	31	72	29	25	54	32	16	48	46	17	63	46	26	72	39	31	70
1885.....	61	31	92	48	23	71	38	28	66	38	17	55	35	26	61	38	21	59
1886.....	49	31	80	42	27	69	64	25	89	44	17	61	47	26	73	47	25	72
1887.....	59	30	89	40	26	66	48	32	80	58	18	76	45	30	75	49	22	71
1888.....	52	24	76	43	22	65	33	16	49	39	21	60	37	22	59	59	22	81
1889.....	52	29	81	40	23	63	39	23	62	60	28	88	47	27	74	44	22	66
1890.....	41	26	67	36	19	55	49	17	66	52	29	81	65	19	84	76	35	111
1891.....	50	28	78	61	24	85	46	25	71	58	14	72	56	20	76	88	34	122
1892.....	88	38	126	81	24	105	62	25	87	72	33	105	65	24	89	67	35	102
1893.....	70	24	94	63	18	81	46	16	62	64	24	88	70	20	90	110	34	144
1894.....	71	33	104	60	18	78	57	19	76	55	27	82	53	23	76	70	29	99
1895.....	44	27	71	69	36	105	49	20	69	99	24	123	58	28	86	80	24	104
1896.....	69	29	98	109	118	227	37	34	61	69	28	97	70	19	89	84	21	105
1897.....	50	27	77	23	28	51	69	15	84	69	19	88	88	26	114	77	36	113
Total..	954	486	1,440	871	525	1,396	793	381	1,174	982	400	1,382	931	407	1,338	1,123	479	1,602

Years.	January.			February.			March.			April.			May.			June.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1881.....	54	24	78	37	20	57	47	21	68	49	25	74	38	22	60	30	17	47
1882.....	56	21	77	37	36	73	53	17	70	43	32	75	38	25	63	30	24	54
1883.....	45	23	68	42	21	63	56	30	86	57	17	74	51	17	68	36	20	56
1884.....	50	24	74	53	22	75	64	25	89	53	30	83	32	20	52	34	17	51
1885.....	51	26	77	68	31	99	72	36	108	48	31	79	34	32	66	53	28	81
1886.....	50	17	67	51	43	94	68	30	98	56	26	82	42	28	70	39	21	60
1887.....	57	21	78	43	26	69	54	17	71	47	31	78	33	25	58	40	22	62
1888.....	68	30	98	66	22	88	72	29	101	52	19	71	56	22	78	39	27	66
1889.....	57	30	87	51	21	72	69	26	95	68	34	102	45	26	71	47	20	67
1890.....	77	33	110	64	20	84	67	35	102	53	27	80	53	26	79	52	25	77
1891.....	61	28	89	52	17	69	86	37	123	149	51	200	59	26	85	56	20	76
1892.....	120	54	174	75	33	108	86	28	114	76	25	101	65	25	90	62	15	77
1893.....	91	29	120	79	27	106	113	28	141	80	29	109	70	88	158	56	19	76
1894.....	89	24	113	80	26	106	90	34	124	86	28	114	48	17	65	62	40	111
1895.....	76	16	92	67	38	105	99	42	141	45	40	85	61	59	120	65	30	95
1896.....	84	33	117	80	38	118	87	34	121	88	29	117	66	24	90	54	22	76
1897.....	90	33	123	97	34	131	102	31	133	77	35	112	63	20	83	79	28	107
1898.....	71	34	105	86	31	117	94	24	118	79	21	100	76	24	100	60	23	83
Total..	1,247	500	1,747	1,128	506	1,634	1,379	524	1,903	1,206	530	1,736	930	526	1,456	904	418	1,322

TABLE XXVI.—Deaths from diarrheal diseases during twenty-one years, from January 1, 1877, to December 31, 1897, inclusive.

Months.	1877.			1878.			1879.			1880.			1881.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
January	2	3	5	6	1	6	6	1	7	3	2	5	3	2	5
February	1	2	3	1	1	2	4	2	6	3	4	7	4	3	7
March	6	3	9	6	2	8	2	2	4	2	4	4	3	2	3
April				3	3	6	3	2	5	4	2	6	5	2	7
May	3	1	4	32	19	51	7	2	9	15	18	33	5	5	10
June	46	32	74	46	47	93	78	51	129	54	57	111	39	28	67
July	59	83	142	33	76	109	72	73	145	33	42	75	72	70	142
August	39	53	92	30	52	82	31	35	66	11	26	37	51	63	114
September	16	16	32	7	15	22	17	30	47	11	17	28	40	32	72
October	9	11	20	12	8	20	7	16	23	7	9	16	17	20	37
November	4	5	9	3	1	4	2	6	8	4	4	8	12	10	22
December	3	3	6	3	2	5	2	2	4	3	2	5	1	2	3

Months.	1882.			1883.			1884.			1885.			1886.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
January	2	4	6	1	1	1	1	1	3	2	5	2	2	4	2
February	4	2	6	2	2	2	1	2	3	1	2	3	3	1	4
March	6	1	7	1	3	4	3	5	8	2	4	6	3	2	3
April	4	4	8	2	3	5	3	1	4	2	4	4	2	2	2
May	5	3	8	5	3	8	1	7	8	3	2	5	3	1	4
June	46	43	89	34	25	59	49	50	99	57	43	100	31	20	51
July	64	80	144	69	61	130	40	46	86	71	71	142	46	46	92
August	29	40	69	39	40	79	48	37	85	27	31	58	35	43	78
September	5	26	31	9	23	32	35	31	66	19	14	33	19	15	34
October	7	9	16	4	5	9	8	12	20	12	6	18	6	10	16
November	6	7	13	5	6	11	5	7	12	2	4	6	11	4	15
December	2	3	5	3	1	4	4	3	7	2	2	2	2	3	5

Months.	1887.			1888.			1889.			1890.			1891.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
January	2	2	4	4	2	4	2	2	2	2	2	4	4	2	6
February	2	3	5	3	2	5	3	3	6	2	4	6	4	4	4
March	3	1	3	3	2	5	4	1	5	2	2	4	2	2	2
April	2	5	7	5	2	7	2	1	3	3	4	6	2	2	2
May	9	9	1	4	5	2	3	5	16	22	38	4	4	4	8
June	68	69	137	41	49	90	58	41	99	66	76	142	64	56	120
July	68	83	151	76	65	141	65	57	122	41	46	87	65	67	132
August	28	35	63	56	71	127	52	43	95	27	38	65	47	36	83
September	18	15	33	25	32	57	11	24	35	22	26	48	21	31	52
October	9	9	18	8	12	20	13	7	20	14	7	21	16	5	31
November	1	1	2	1	9	2	4	6	4	3	7	5	2	7	7
December	7	2	9	2	2	4	2	1	3	1	2	3	6	5	11

Months.	1892.			1893.			1894.			1895.			1896.			Total in 21 years.	Mean by months.
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.		
Jan.	3	3	6	4	1	5	1	2	3	3	1	4	2	4	6	1	86
Feb.	2	2	4	6	2	8	2	2	4	5	3	8	1	2	3	3	99
Mar.	7	2	9	5	1	6	4	3	7	4	5	9	3	2	5	3	110
Apr.	2	1	3	3	3	6	4	8	3	3	6	1	2	3	1	2	101
May	4	4	8	8	4	12	7	9	16	3	3	6	8	14	1	2	264
June	72	61	133	64	45	109	97	80	177	28	21	49	50	34	84	24	2,062
July	134	127	261	64	80	144	49	44	93	72	79	151	80	88	168	48	2,737
Aug.	45	47	92	48	36	84	16	35	51	43	46	89	37	46	83	23	1,643
Sept.	24	20	44	21	21	42	11	4	15	28	33	61	14	11	25	20	843
Oct.	13	12	25	14	9	23	8	10	18	18	16	34	10	5	15	9	434
Nov.	3	3	6	2	3	5	1	3	4	9	3	12	3	1	4	4	174
Dec.	2	2	4	5	1	6	4	2	6	5	3	8	3	1	4	5	109

TABLE XXVII.—*Showing deaths from consumption, by sex, color, and months, for twenty-two calendar years ended December 31, 1897.*

Years.	January.				February.				March.				April.				May.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1870.....	28	13	6	11	18	14	19	18	17	14	6	12	17	9	16	18	8	14	9	13
1871.....	13	10	6	15	15	19	5	18	12	14	13	10	13	15	12	12	24	10	10	10
1872.....	14	33	20	24	13	19	13	13	18	18	19	15	14	18	20	16	7	14	10	17
1873.....	26	12	6	17	15	14	13	16	15	17	21	16	12	18	17	16	9	10	20	13
1874.....	18	11	18	21	22	18	16	28	14	15	30	19	16	18	14	19	11	22	15	25
1875.....	21	22	14	12	14	15	16	25	17	16	18	26	17	11	22	35	22	13	18	17
1876.....	15	11	14	26	20	11	20	16	24	25	15	20	15	18	13	23	15	17	18	17
1877.....	19	17	13	23	10	15	16	24	28	23	17	26	13	17	15	20	16	12	14	20
1878.....	22	28	12	30	16	14	27	23	16	16	16	16	14	24	8	27	24	8	22	23
1879.....	14	13	24	18	23	20	12	23	16	16	24	14	18	24	21	21	20	12	14	35
1880.....	19	14	13	23	13	15	13	21	17	21	21	20	14	12	22	20	16	12	14	24
1881.....	16	18	15	18	23	10	13	18	21	19	12	24	13	16	17	21	5	10	9	18
1882.....	13	13	8	13	20	18	14	17	21	19	5	30	14	13	13	33	9	11	9	21
1883.....	17	7	15	21	14	14	19	14	11	18	22	21	18	16	16	13	14	13	16	21
1884.....	16	20	21	20	14	16	19	14	22	15	18	20	17	13	19	17	23	5	14	11
1885.....	8	8	24	15	16	14	11	12	16	17	25	24	27	15	20	27	15	15	16	17
1886.....	16	18	17	15	15	12	20	23	14	8	15	18	16	11	22	11	17	4	18	13
1887.....	23	11	14	20	10	15	16	12	13	17	14	13	23	15	11	20	14	16	15	20
1888.....	14	12	21	12	8	11	17	17	20	14	20	18	15	16	13	16	18	17	17	19
1889.....	15	16	16	16	22	18	16	10	12	7	15	21	19	16	23	15	21	12	10	13
1890.....	16	13	9	18	23	8	23	15	21	17	15	15	20	20	17	24	11	16	14	17
1891.....	14	20	19	22	24	16	17	22	19	8	19	21	18	14	13	16	17	8	16	13
Total ..	377	345	325	410	368	326	355	399	384	354	380	419	363	349	364	440	326	271	318	397

Years.	June.				July.				August.				September.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1876.....	19	9	12	11	10	15	15	14	5	7	7	19	11	11	10	9
1877.....	11	8	15	20	7	12	10	20	10	9	17	16	9	7	12	12
1878.....	11	10	11	21	9	14	9	25	16	18	16	18	13	13	10	23
1879.....	15	13	15	26	11	13	13	20	11	10	10	19	14	9	12	19
1880.....	10	10	14	23	10	12	9	14	15	16	8	17	12	12	13	16
1881.....	14	11	16	14	6	14	17	28	15	9	13	19	13	9	15	29
1882.....	14	10	12	24	9	11	9	18	9	11	12	9	11	13	15	18
1883.....	10	9	13	16	14	18	13	13	9	14	11	23	18	12	16	19
1884.....	13	16	16	22	19	20	14	16	17	16	14	9	14	13	10	18
1885.....	9	11	10	24	14	20	18	22	11	15	11	23	16	15	14	20
1886.....	14	11	26	25	13	14	13	18	12	12	15	14	19	12	14	13
1887.....	9	12	16	13	9	13	12	21	8	14	7	14	14	20	12	22
1888.....	5	15	13	11	10	9	17	6	15	5	10	23	14	7	15	25
1889.....	9	11	17	15	12	8	20	23	14	13	19	22	9	8	16	17
1890.....	12	14	14	19	3	12	12	14	13	12	9	17	13	22	12	11
1891.....	14	8	19	15	16	7	13	13	13	12	17	17	13	15	14	10
1892.....	13	14	17	14	14	16	19	13	10	16	15	11	7	10	7	18
1893.....	15	9	13	16	8	7	17	17	10	5	5	17	12	12	16	20
1894.....	7	11	9	11	14	11	12	13	13	3	10	12	12	9	9	11
1895.....	19	7	16	8	10	10	17	17	8	13	13	17	17	7	17	6
1896.....	10	13	16	26	17	18	23	16	13	18	16	8	11	14	20	25
1897.....	15	*8	13	17	16	12	11	12	6	6	13	17	16	12	11	12
Total..	268	240	343	391	251	286	313	373	253	255	260	362	295	264	285	273

TABLE XXVII.—*Showing deaths from consumption, by sex, color, and months, for twenty-two calendar years ended December 31, 1897—Continued.*

Years.	October.				November.				December.				Total.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1876.....	14	14	12	13	17	13	9	21	14	13	7	13	178	146	128	172
1877.....	14	17	8	24	12	13	13	9	18	17	13	14	165	154	121	181
1878.....	9	18	7	10	14	23	8	10	18	15	15	15	156	201	158	267
1879.....	9	13	4	13	14	9	16	16	20	11	17	167	158	158	208	208
1880.....	18	14	14	21	17	11	9	18	17	20	8	14	180	179	166	235
1881.....	17	18	15	17	22	18	13	14	17	20	15	18	195	176	192	254
1882.....	14	14	15	13	12	16	15	16	9	11	21	23	167	168	179	223
1883.....	14	7	18	9	14	19	14	25	9	12	10	23	186	176	169	241
1884.....	13	10	15	14	18	14	16	8	14	13	18	19	200	192	188	225
1885.....	14	15	12	19	12	7	17	14	20	17	10	20	187	185	187	253
1886.....	20	11	15	19	16	17	18	20	22	18	10	15	195	169	194	232
1887.....	18	14	15	9	13	19	16	16	20	12	5	16	169	177	149	210
1888.....	15	21	17	7	11	12	10	15	9	15	14	23	156	163	145	224
1889.....	13	13	11	14	7	17	12	14	24	12	26	19	162	150	209	214
1890.....	23	15	18	21	15	15	15	15	19	15	21	9	190	174	192	188
1891.....	17	15	11	18	23	15	15	14	12	16	13	12	190	157	200	194
1892.....	18	10	9	22	14	11	9	18	17	9	13	10	171	149	181	186
1893.....	11	9	9	20	10	16	15	14	23	23	18	8	172	155	163	197
1894.....	11	17	19	16	16	9	9	18	11	15	19	19	150	145	175	182
1895.....	16	19	10	12	14	14	7	23	12	7	13	19	185	146	173	177
1896.....	22	17	17	15	20	8	9	13	18	9	22	18	212	171	203	220
1897.....	18	10	13	16	12	11	14	21	14	14	22	13	165	144	177	181
Total.....	338	311	294	342	323	307	279	352	365	321	304	357	3,907	3,535	3,807	4,604

TABLE XXVIII.—*Deaths from consumption, by ages, during nineteen years ended June 30, 1898.*

Ages.	White.		Colored.		Total.
	Males.	Females.	Males.	Females.	
Under 1 year	38	49	120	119	326
1 to 2 years.....	21	28	112	130	291
2 to 3 years.....	11	11	90	99	211
3 to 4 years.....	5	7	48	60	120
4 to 5 years.....	2	2	39	43	86
Deaths under 5 years old.....	77	97	409	451	1,034
5 to 10 years.....	11	12	98	156	277
10 to 20 years.....	142	310	424	732	1,608
20 to 30 years.....	834	858	828	1,103	3,623
30 to 40 years.....	734	652	541	626	2,553
40 to 50 years.....	605	429	398	381	1,813
50 to 60 years.....	446	272	278	180	1,176
60 to 70 years.....	260	207	144	143	714
70 to 80 years.....	111	96	67	75	349
80 to 90 years.....	9	23	14	21	67
90 to 100 years.....	1	.....	1	6	8
Total.....	3,230	2,956	3,202	3,834	13,222
Total by color.....	6,186		7,036		.....
Grand total	13,222				.....

TABLE XXIX.—*Total deaths from eighteen different diseases and suicides during twenty-three fiscal years, from July 1, 1875, to June 30, 1898.*

Diseases.	1876.					1877.					1878.				
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.	M.	F.	
Consumption.....	171	135	108	165	579	159	149	121	174	603	154	180	153	202	689
Typhoid fever.....	29	33	22	14	98	24	30	11	17	82	38	29	20	14	101
Apoplexy.....	30	32	22	20	104	40	34	12	24	110	33	24	10	22	89
Insanity.....	3	2	3	.....	8	10	5	5	3	23	4	.....	1	1	6
Softening of the brain.....	10	2	4	1	17	15	4	2	1	22	9	11	1	.....	21
Paralysis, hemiplegia, paraplegia.....	5	6	4	5	20	9	5	6	7	27	17	19	10	7	53
Cancer.....	8	30	4	13	55	12	38	3	14	67	19	32	4	12	67
Epilepsy.....	8	4	5	4	21	7	5	1	3	16	2	3	.....	2	7
Diseases of the heart.....	49	36	27	40	152	48	43	33	19	143	38	45	23	31	137
Bright's disease.....	14	7	7	5	33	17	5	2	1	25	18	5	6	7	36
Rheumatism.....	5	2	1	2	10	2	6	4	3	15	3	.....	2	.....	5
Aneurisms.....	3	1	4	1	9	.....	.....	2	.....	2	5	.....	1	1	7
Angina pectoris.....	1	2	1	.....	4	6	1	.....	2	9	7	2	.....	2	11
Gastritis.....	12	16	7	3	38	10	4	3	3	20	6	8	5	2	21
Cirrhosis of liver.....	8	2	1	.....	11	8	2	.....	2	12	1	2	1	.....	4
Dropsy.....	13	12	22	13	60	10	17	10	8	45	18	19	29	27	93
Diabetes.....	.....	.....	1	1	1	1	1	1	1	4	4	.....	.....	.....	4
Hernia.....	4	1	3	1	9	1	1	2	.....	4	2	1	1	.....	4
Suicides.....	3	2	.....	.....	5	3	2	.....	.....	5	6	.....	.....	.....	6

Diseases.	1879.					1880.					1881.				
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.	M.	F.	
Consumption.....	171	83	157	205	716	166	168	173	239	749	194	173	163	229	759
Typhoid fever.....	27	18	19	10	74	20	23	19	22	84	24	20	13	10	67
Apoplexy.....	24	21	15	16	76	30	15	10	16	71	40	23	19	17	99
Insanity.....	7	2	3	.....	12	9	5	1	2	17	26	7	3	2	38
Softening of the brain.....	8	7	1	5	21	4	1	3	3	11	8	1	3	3	15
Paralysis, hemiplegia, paraplegia.....	22	12	7	9	50	28	23	10	21	82	28	17	9	14	68
Cancer.....	12	48	3	23	86	21	29	5	16	71	17	47	1	22	87
Epilepsy.....	4	2	1	1	8	3	.....	2	4	9	5	2	4	1	12
Diseases of the heart.....	49	30	21	25	125	43	33	23	28	127	43	38	36	33	150
Bright's disease.....	5	4	7	5	21	17	9	4	5	35	12	10	9	6	37
Rheumatism.....	.....	4	3	4	11	5	2	4	2	13	10	7	3	4	24
Aneurisms.....	6	.....	2	.....	8	5	.....	5	3	13	5	1	5	.....	11
Angina pectoris.....	.....	.....	2	.....	6	2	3	2	3	10	5	3	.....	.....	8
Gastritis.....	8	4	3	5	20	9	6	3	7	25	12	11	2	2	27
Cirrhosis of liver.....	2	2	1	.....	5	8	2	.....	2	12	11	1	2	.....	14
Dropsy.....	23	24	31	27	105	11	17	22	10	60	7	12	11	12	42
Diabetes.....	5	1	1	1	8	3	1	.....	.....	4	3	1	.....	.....	4
Hernia.....	.....	5	2	.....	7	3	4	.....	.....	7	3	3	1	.....	7
Suicides.....	4	3	.....	.....	7	16	3	2	.....	21	7	4	.....	.....	11

Diseases.	1882.					1883.					1884.				
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.	M.	F.	
Consumption.....	193	180	180	251	804	160	170	174	226	730	195	188	183	253	819
Typhoid fever.....	37	37	23	23	120	18	31	26	17	92	32	21	13	10	76
Apoplexy.....	31	23	10	19	83	26	31	11	16	84	44	36	16	18	114
Insanity.....	28	4	4	7	43	31	8	6	6	51	32	6	12	6	56
Softening of the brain.....	6	5	4	2	17	6	3	.....	3	12	8	5	.....	2	15
Paralysis, hemiplegia, paraplegia.....	18	6	12	19	55	16	18	5	6	45	21	23	3	11	58
Cancer.....	21	34	8	17	80	17	36	7	19	79	22	44	4	20	90
Epilepsy.....	6	3	7	5	21	7	1	4	1	13	2	.....	3	.....	5
Diseases of the heart.....	74	44	28	39	185	78	58	33	36	205	78	51	33	60	222
Bright's disease.....	21	15	10	11	57	12	9	7	5	33	22	11	10	6	49
Rheumatism.....	4	9	.....	6	19	9	15	7	7	38	15	5	4	2	36
Aneurisms.....	3	2	2	.....	7	.....	.....	2	2	10	5	4	2	2	13
Angina pectoris.....	5	2	1	1	9	5	4	.....	2	11	3	5	1	.....	9
Gastritis.....	7	6	2	7	22	16	6	4	7	29	11	8	8	3	30
Cirrhosis of liver.....	4	4	1	.....	9	6	3	1	.....	10	2	2	.....	2	6
Dropsy.....	4	2	13	17	37	10	7	14	11	42	4	12	12	11	39
Diabetes.....	5	2	.....	.....	7	.....	.....	1	6	3	3	1	.....	.....	4
Hernia.....	.....	2	3	.....	5	3	2	.....	1	6	3	3	2	.....	8
Suicides.....	10	3	1	1	15	16	3	1	1	21	10	1	1	.....	19

TABLE XXIX.—Total deaths from eighteen different diseases and suicides during twenty-three fiscal years, from July 1, 1875, to June 30, 1898—Continued.

Diseases.	1885.					1886.					1887.				
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.	M.	F.	
Consumption	195	182	192	219	788	180	174	191	251	796	189	169	167	211	736
Typhoid fever	48	35	14	27	124	46	35	24	23	128	32	40	24	20	116
Apoplexy	43	24	24	10	101	40	34	22	29	125	46	32	17	20	115
Insanity	57	13	17	7	94	68	16	11	6	101	52	13	18	9	92
Softening of the brain	7	5	2	1	15	9	5	1	2	17	8	5	2	1	16
Paralysis, hemiplegia, paraplegia	20	27	9	17	73	19	17	13	15	64	12	10	14	10	46
Cancer	25	61	10	23	119	27	53	4	19	103	25	55	8	26	114
Epilepsy	3	1	1	3	8	4	2	1	2	9	2	2	2	2	8
Diseases of the heart	65	78	40	52	235	72	48	41	74	235	66	77	45	53	241
Bright's disease	25	9	10	9	53	19	13	8	53	19	14	7	9	49	
Rheumatism	11	10	7	6	34	21	6	4	3	34	13	3	7	36	
Aneurisms	2	1	8	—	11	8	—	2	2	12	3	1	1	—	5
Angina pectoris	4	2	1	—	7	4	1	1	1	7	3	1	1	—	5
Gastritis	13	10	4	4	31	11	16	5	5	37	14	10	5	5	34
Cirrhosis of liver	9	5	1	—	15	9	5	2	1	17	10	3	1	1	15
Dropsy	10	8	8	11	37	9	5	11	13	38	4	8	8	10	30
Diabetes	6	3	1	—	10	5	6	1	—	12	7	3	2	1	13
Hernia	1	—	4	—	5	4	2	—	—	8	2	2	1	—	6
Suicides	11	2	—	—	13	13	1	2	1	17	17	4	2	1	24

Diseases.	1888.					1889.					1890.				
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.	M.	F.	
Consumption	164	186	129	223	702	157	148	188	204	697	183	154	209	210	756
Typhoid fever	47	48	37	36	168	53	43	41	33	170	66	52	43	47	208
Apoplexy	66	30	19	23	138	46	22	22	26	116	48	22	14	23	113
Insanity	77	16	13	11	117	72	18	10	10	110	74	20	18	11	123
Softening of the brain	4	5	1	—	10	9	6	4	1	20	9	6	7	1	23
Paralysis, hemiplegia, paraplegia	16	18	17	12	63	20	22	14	20	76	18	24	10	17	69
Cancer	27	47	4	22	100	26	73	2	18	119	26	66	6	23	121
Epilepsy	6	6	4	2	18	—	—	3	4	8	4	5	5	1	15
Diseases of the heart	81	68	58	66	273	93	61	49	64	267	94	66	51	62	273
Bright's disease	18	17	10	15	60	20	6	8	5	39	23	12	16	7	58
Rheumatism	17	18	5	13	53	14	11	6	3	34	10	11	8	6	35
Aneurisms	5	2	4	2	13	3	2	3	2	10	6	1	3	2	12
Angina pectoris	1	2	—	—	2	5	2	1	2	6	5	1	—	—	7
Gastritis	18	15	2	6	41	14	16	4	9	43	13	17	6	7	43
Cirrhosis of liver	9	4	2	1	16	9	—	2	1	12	13	3	1	—	17
Dropsy	8	7	6	10	31	4	7	6	8	25	7	8	11	5	31
Diabetes	2	3	1	1	7	5	5	1	1	12	5	3	—	—	9
Hernia	2	1	1	—	4	3	—	6	—	9	5	6	1	1	13
Suicides	13	5	—	—	18	14	—	1	—	15	20	1	1	—	22

Diseases.	1891.					1892.					1893.				
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.	M.	F.	
Consumption	182	168	202	197	749	185	157	194	178	714	178	155	155	193	681
Typhoid fever	64	65	40	39	208	70	37	39	37	183	82	40	36	20	187
Apoplexy	40	32	13	25	110	66	38	19	26	149	88	66	26	29	209
Insanity	74	17	9	10	110	31	11	4	5	51	22	12	8	5	47
Softening of the brain	6	1	4	3	14	10	7	7	2	26	8	3	5	2	18
Paralysis, hemiplegia, paraplegia	22	23	11	28	84	35	40	22	24	121	28	20	18	21	87
Cancer	31	59	10	31	131	35	52	6	18	111	41	75	9	12	152
Epilepsy	12	3	4	7	26	13	2	5	2	22	13	6	9	12	40
Diseases of the heart	101	81	69	73	324	102	95	65	65	327	116	87	70	72	345
Bright's disease	29	20	9	5	63	23	20	14	12	69	33	16	10	4	63
Rheumatism	18	11	8	12	49	11	13	10	17	51	16	15	10	10	51
Aneurisms	7	1	1	1	10	9	2	5	—	16	9	8	3	3	23
Angina pectoris	11	2	—	1	14	10	3	1	2	16	6	6	2	3	17
Gastritis	13	11	6	9	39	18	23	4	8	53	8	12	8	3	36
Cirrhosis of liver	5	1	1	—	7	18	3	1	1	23	25	9	4	—	38
Dropsy	9	10	8	15	42	4	10	12	6	32	7	6	13	11	37
Diabetes	7	5	1	1	14	1	7	—	2	10	4	1	1	1	16
Hernia	1	4	—	—	6	4	—	5	—	9	3	4	3	1	11
Suicides	27	6	1	2	36	17	6	1	1	25	34	2	1	—	37

TABLE XXIX.—Total deaths from eighteen different diseases and suicides during twenty-three fiscal years, from July 1, 1875, to July 30, 1898—Continued.

Diseases.	1894.					1895.					1896.				
	White.		Colored.		Total.	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.		M.	F.	M.	F.	
Consumption	156	153	177	189	675	185	140	174	172	671	178	157	171	199	705
Typhoid fever	76	45	29	41	191	62	56	33	36	187	78	60	45	45	228
Apoplexy	65	53	29	23	170	68	50	21	30	169	88	51	30	40	209
Insanity	26	8	2	7	43	23	8	2	4	37	32	16	5	.....	53
Softening of the brain	6	4	2	2	14	8	9	5	1	23	7	2	3	1	13
Paralysis, hemiplegia, paraplegia	31	28	14	21	94	29	17	19	33	98	19	30	12	13	74
Cancer	47	52	13	19	131	40	72	5	23	140	31	84	10	30	155
Epilepsy	22	2	7	1	32	16	5	9	5	35	14	5	7	5	31
Diseases of the heart	107	89	71	61	328	123	69	63	89	344	125	107	82	80	394
Bright's disease	19	8	12	10	49	11	16	8	3	38	63	49	32	35	179
Rheumatism	10	7	2	6	25	15	12	7	7	41	12	6	7	9	34
Aneurisms	2	.....	5	1	8	3	.....	2	.....	5	7	2	4	1	14
Angina pectoris	7	6	1	.....	14	9	4	5	6	24	9	4	2	1	16
Gastritis	14	24	7	5	50	16	14	6	4	40	9	15	1	6	31
Cirrhosis of liver	24	11	3	4	42	13	6	3	3	25	15	7	1	3	26
Dropsy	12	7	4	7	30	2	5	3	7	17	2	7	3	3	15
Diabetes	8	3	2	1	14	7	5	.....	2	14	4	6	2	1	13
Hernia	3	5	6	.....	14	1	6	9	.....	16	.....	2	1	.....	3
Suicides	31	6	2	2	41	26	5	2	1	34	30	5	1	2	38

Diseases.	1897.					1898.				
	White.		Colored.		Total.	White.		Colored.		Total.
	M.	F.	M.	F.		M.	F.	M.	F.	
Consumption	208	157	205	206	776	165	144	177	181	667
Typhoid fever	51	36	29	31	147	41	30	23	36	130
Apoplexy	82	56	29	38	205	76	67	49	55	247
Insanity	36	10	6	4	56	40	9	19	3	71
Softening of the brain	4	2	3	1	10	6	4	.....	3	13
Paralysis, hemiplegia, paraplegia	13	11	11	8	43	20	21	10	18	69
Cancer	42	56	9	37	144	43	75	8	34	160
Epilepsy	11	4	7	4	26	11	4	6	5	26
Diseases of the heart	128	101	85	86	400	126	103	78	110	417
Bright's disease and nephritis	93	54	51	39	237	80	74	41	35	230
Rheumatism	9	13	6	3	31	7	9	.....	1	17
Aneurisms	3	.....	5	.....	8	2	1	.....	2	5
Angina pectoris	10	2	1	2	15	12	10	.....	2	24
Gastritis	10	12	7	5	34	15	15	5	4	39
Cirrhosis of liver	12	3	7	2	24	19	5	7	2	33
Dropsy .....	.....	.....	.....	2	2	.....	.....	.....	2	3
Diabetes	3	4	4	1	12	9	8	.....	.....	17
Hernia	3	2	5	1	11	1	4	6	2	13
Suicides	36	4	5	2	47	36	8	4	2	50

TABLE XXX.—Deaths from cancers, by color, sex, and nativity, from September 1, 1874, to June 30, 1898.

Cancer of—	Color.	Sex.	Nativity.										
			District of Colum- bia.	Other parts of the United States.	Ireland.	England.	Scotland.	Germany.	France.	Italy.	Canada.	Other countries.	Total.
Breast	{ White	Female	45	155	33	6	1	7	...	...	...	4	251
	{ Colored	Male	1	3	...	...	...	...	...	...	...	...	4
Uterus	{ White	Female	18	98	...	...	...	...	...	...	...	...	116
	{ Colored	Female	76	266	43	17	2	27	3	2	2	7	445
Ovary	{ White	Female	36	183	...	...	...	...	...	...	...	...	219
	{ Colored	Female	6	9	2	...	...	...	2	...	...	...	19
Stomach	{ White	Female	1	5	...	...	...	...	...	...	...	...	6
	{ Colored	Female	19	80	34	8	1	35	2	3	...	6	192
Liver	{ White	Female	31	73	26	7	...	15	3	...	...	2	157
	{ Colored	Female	10	52	...	...	...	...	...	...	...	...	62
Face, head, neck, mouth, and throat.	{ White	Female	11	68	...	...	...	...	...	...	...	...	79
	{ Colored	Female	16	37	5	...	...	17	1	...	2	4	82
All others	{ White	Female	22	45	5	4	...	10	...	...	...	4	90
	{ Colored	Female	2	17	...	...	...	...	...	...	...	...	19
Total	{ White	Male	1	13	...	...	...	...	...	...	...	...	14
	{ Colored	Male	27	81	28	6	2	11	2	...	...	3	160
Grand total	{ White	Female	12	30	13	...	...	5	...	...	...	3	64
	{ Colored	Female	2	17	...	...	...	...	...	...	...	...	19
Total by sex	{ White	Male	1	15	...	...	...	...	...	...	...	...	16
	{ Colored	Male	22	108	26	7	1	25	1	...	...	2	192
Total by color	{ White	Female	47	124	18	4	1	18	1	1	...	2	216
	{ Colored	Female	5	35	...	...	...	...	...	...	...	...	40
Grand total	{ White	Female	6	61	...	...	...	...	...	...	...	...	67
	{ Colored	Female	84	306	97	21	4	88	6	3	2	15	626
Total	{ White	Female	239	702	140	38	5	82	9	3	2	22	1,242
	{ Colored	Male	20	124	...	...	...	...	...	...	...	1	145
Grand total	{ White	Female	74	443	...	...	...	...	...	...	...	...	517
	{ Colored	Female	417	1,575	237	59	9	170	15	6	4	38	2,530
Total by sex	{ White	Male	104	430	97	21	4	88	6	3	2	16	771
	{ Colored	Female	313	1,145	140	38	5	82	9	3	2	22	1,759
Total by color	{ White	Female	323	1,008	237	59	9	170	15	6	4	37	1,868
	{ Colored	Female	94	567	...	...	...	...	...	...	...	1	662

TABLE XXXI.—Deaths from cancers of white females from September 1, 1874, to June 30, 1898.

Cancer of—	Married.		Widows.		Single.		Total deaths from cancers, white females.
	Deaths from cancers.	Percentage to total deaths of married.	Deaths from cancers.	Percentage to total deaths of widows.	Deaths from cancers.	Percentage to total deaths of single.	
Breast	103	16.75	94	21.71	54	27.84	251
Uterus	276	44.88	137	31.63	32	16.49	445
Ovary	11	1.79	6	1.38	2	1.03	19
Stomach	57	9.27	67	15.48	32	16.49	156
Liver	45	7.31	31	7.16	14	7.22	90
Face, head, neck, mouth, and throat	21	3.42	29	6.70	14	7.22	64
All others	102	16.58	69	15.94	46	23.71	217
Total	615	100.00	433	100.00	194	100.00	1,242

TABLE XXXII.—Deaths from cancers of colored females from September 1, 1874, to June 30, 1898.

Cancer of—	Married.		Widows.		Single.		Total deaths from cancers, colored females.
	Deaths from cancers.	Percentage to total deaths of married.	Deaths from cancers.	Percentage to total deaths of widows.	Deaths from cancer.	Percentage to total deaths of single.	
Breast	40	18.02	62	27.31	14	20.59	116
Uterus	105	47.30	90	39.65	24	35.29	219
Ovary	4	1.80	2	.88			6
Stomach	28	12.61	39	17.18	11	16.18	78
Liver	6	2.70	7	3.09	1	1.47	14
Face, head, neck, mouth, and throat	8	3.60	4	1.76	5	7.35	17
All others	31	13.97	23	10.13	13	19.12	67
Total	222	100.00	227	100.00	68	100.00	517

TABLE XXXIII.—Deaths from cancers, by age, color, and sex, with percentages, from September 1, 1874, to June 30, 1898.

Ages.	Color.	Sex.	Cancer of breast.	Cancer of uterus.	Cancer of ovary.	Cancer of stomach.	Cancer of liver.	Cancer of face, head, neck, mouth, and throat.	All other cancers.	Total.
Under 20 years	White	Male				1	3	5	9	
		Female	1	1		1	1	4	9	
	Colored	Male	1			1		1	2	
20 to 30 years	White	Female				2		1	2	
		Male		5	3	6	1	2	10	
	Colored	Female				3	2	1	5	
30 to 40 years	White	Male	2	10	1	3		1	6	
		Female				6	8	4	14	
	Colored	Male	15	73	2	9	8		24	
40 to 50 years	White	Female	1			5		1	2	
		Male	13	48	3	10	2	2	9	
	Colored	Female	65	138	3	31	12	23	23	
50 to 60 years	White	Male				19	3	4	7	
		Female	22	55		16	2	5	17	
	Colored	Male				61	30	37	51	
60 to 70 years	White	Female	79	114	4	41	25	11	63	
		Male	1			17	7	6	13	
	Colored	Female	31	61	2	12	4	2	9	
70 to 80 years	White	Male				50	16	43	57	
		Female	56	75	5	46	22	15	49	
	Colored	Male				11	4	5	5	
80 to 90 years	White	Female	25	24		17	2	3	16	
		Male				32	11	33	27	
	Colored	Female	33	30	2	29	13	13	19	
90 years and over	White	Male				7	2	1	3	
		Female	13	17		13	3	1	7	
	Colored	Male				10	2	13	5	
Total	White	Female	3	7		5	1	12	2	
		Male	1			1		1	3	
	Colored	Female	9	4		5	1	2	2	
Grand total	White	Male								
		Female		2						
	Colored	Male								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female								
		Male								
	Colored	Female								
Percentage to total deaths from cancers.	White	Female								
		Male								
	Colored	Female								
Total	White	Male								
		Female								
	Colored	Male								
Grand total	White	Female			</					

TABLE XXXIV.—Deaths from cancers, by color, sex, and age; total deaths from all causes, and deaths from all causes to 1 of cancer, from September 1, 1874, to June 30, 1898.

Cause of death.	White.			Colored.			Grand total.
	Male.	Female.	Total.	Male.	Female.	Total.	
Under 20 years:							
Deaths from cancers.....	17	16	33	5	5	10	43
Deaths from all causes.....	12,503	11,494	23,997	15,421	15,252	30,673	54,670
Deaths from all causes to 1 from cancer.....	735	718	1,453	3,084	3,050	6,134	1,271
20 to 30 years:							
Deaths from cancers.....	9	27	36	11	23	34	70
Deaths from all causes.....	2,602	2,684	5,286	2,136	2,706	4,842	10,128
Deaths from all causes to 1 from cancer.....	289	99	388	194	117	311	144
30 to 40 years:							
Deaths from cancers.....	32	131	163	9	87	96	259
Deaths from all causes.....	2,851	2,593	5,444	1,781	2,096	3,877	9,321
Deaths from all causes to 1 from cancer.....	89	19	108	198	24	222	35
40 to 50 years:							
Deaths from cancers.....	89	292	381	33	117	150	531
Deaths from all causes.....	3,379	2,321	5,700	1,853	1,743	3,596	9,296
Deaths from all causes to 1 from cancer.....	37	7	44	56	14	70	17
50 to 60 years:							
Deaths from cancers.....	179	337	516	44	121	165	681
Deaths from all causes.....	3,753	2,407	6,160	1,659	1,424	3,083	9,243
Deaths from all causes to 1 from cancer.....	20	7	27	37	11	48	13
60 to 70 years:							
Deaths from cancers.....	166	268	434	25	87	112	546
Deaths from all causes.....	3,656	2,646	6,302	1,907	1,311	3,218	8,920
Deaths from all causes to 1 from cancer.....	22	9	31	52	15	67	16
70 to 80 years:							
Deaths from cancers.....	103	139	242	13	54	67	309
Deaths from all causes.....	2,827	2,555	5,382	1,030	1,138	2,168	7,550
Deaths from all causes to 1 from cancer.....	27	18	45	79	21	100	24
80 years and over:							
Deaths from cancers.....	30	32	62	6	23	29	91
Deaths from all causes.....	1,022	1,537	2,559	634	1,192	1,826	4,385
Deaths from all causes to 1 from cancer.....	34	47	81	105	51	156	48
Total deaths from cancers.....	625	1,242	1,867	146	517	663	2,530
Total deaths from all causes.....	32,593	28,237	60,830	25,821	26,862	52,683	113,513
Deaths from all causes to 1 from cancer.....	52	22	74	176	51	227	44

TABLE XXXV.—Stillbirths, including legitimate and illegitimate, with percentages of each to stillbirths, and of illegitimate to total illegitimate stillborn, by color, for twenty years, from 1879 to 1898, inclusive.

Years.	Number of stillborn.		Color.		Legitimate.		Illegitimate.		Percentage of legitimate to total stillbirths, by color.		Percentage of illegitimate to total illegitimate stillborn by color.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
1879.....	395	130	265	112	171	18	94	28.4	43.3	4.56	23.8	16.0
1880.....	358	119	239	105	159	14	80	29.3	44.4	3.90	22.3	14.9
1881.....	370	141	229	125	143	16	86	33.8	38.6	4.30	23.0	15.7
1882.....	351	140	211	124	146	16	65	35.3	41.5	4.66	18.6	19.7
1883.....	362	154	208	136	139	18	69	37.5	38.4	5.07	19.0	20.7
1884.....	351	132	219	123	141	9	78	35.0	40.2	2.57	22.2	10.3
1885.....	391	179	212	154	127	25	85	39.4	32.5	6.40	21.7	27.7
1886.....	406	164	242	149	138	15	104	40.4	34.9	3.70	25.6	12.6
1887.....	406	149	257	127	146	22	111	31.3	36.0	5.40	27.3	16.6
1888.....	458	182	276	156	155	26	121	34.1	33.0	5.68	26.4	17.7
1889.....	443	157	286	137	163	20	123	30.9	36.8	4.51	28.0	14.0
1890.....	474	183	291	172	181	11	110	36.3	34.2	2.32	23.2	9.1
1891.....	440	172	268	154	157	18	111	35.0	35.7	4.09	25.2	14.0
1892.....	467	182	285	169	180	13	105	36.2	38.6	2.78	22.5	11.0
1893.....	475	161	314	144	180	17	134	30.3	37.9	3.58	28.2	11.2
1894.....	502	204	358	183	255	21	103	36.6	45.4	3.74	18.3	16.9
1895.....	540	201	339	173	172	28	167	32.4	31.8	5.20	30.9	14.4
1896.....	520	181	339	153	172	28	167	29.4	33.8	5.38	32.1	14.4
1897.....	487	187	300	154	180	33	120	31.6	36.9	6.77	24.7	21.6
1898.....	503	197	306	156	163	41	153	31.0	32.4	8.15	30.4	21.1
Total and mean.....	8,759	3,315	5,444	2,906	3,268	409	2,186	33.2	37.3	4.78	24.9	15.7

TABLE XXXVI.—*Legitimate and illegitimate births, with percentages of births to deaths, of stillbirths to births, of illegitimacy to births, and of illegitimacy to total illegitimacy, by color, for twenty years, from 1879 to 1898, inclusive.*

Years.	Number of deaths.	Number of births.	Births, by color.		Legitimate.		Illegitimate.		Per cent of births to deaths.	Per cent of still-births to births.
			White.	Colored.	White.	Colored.	White.	Colored.		
1879.....	4,309	3,816	2,117	1,699	2,068	1,403	49	299	88.5	10.4
1880.....	4,206	4,095	2,297	1,798	2,241	1,456	56	342	97.3	8.8
1881.....	4,136	3,595	2,014	1,581	1,961	1,274	53	307	86.9	10.2
1882.....	4,571	3,391	1,800	1,591	1,747	1,277	53	314	74.2	10.4
1883.....	4,286	3,116	1,684	1,432	1,631	1,132	53	300	72.7	11.6
1884.....	4,814	3,224	1,747	1,477	1,684	1,196	63	281	66.9	10.9
1885.....	4,998	3,334	1,861	1,473	1,805	1,136	56	337	66.7	11.8
1886.....	4,674	3,516	1,981	1,535	1,916	1,184	65	351	75.2	11.5
1887.....	4,665	3,728	2,032	1,636	2,022	1,288	70	348	79.9	10.9
1888.....	5,040	3,670	2,035	1,635	1,964	1,262	71	373	72.8	12.5
1889.....	5,152	4,001	2,176	1,825	2,098	1,397	78	428	77.6	11.0
1890.....	5,564	4,070	2,246	1,824	2,171	1,341	75	483	73.1	11.6
1891.....	5,720	4,344	2,512	1,831	2,440	1,371	73	460	75.9	10.1
1892.....	6,098	4,611	2,648	1,966	2,581	1,447	67	519	75.6	10.1
1893.....	6,452	4,458	2,585	1,873	2,512	1,368	73	505	69.1	10.6
1894.....	6,039	5,042	3,007	2,035	2,930	1,496	77	539	83.5	11.0
1895.....	5,565	4,794	2,878	1,916	2,774	1,396	104	520	86.1	11.3
1896.....	5,904	4,706	2,876	1,920	2,686	1,403	100	517	79.7	11.0
1897.....	5,737	4,573	2,761	1,812	2,605	1,335	96	477	79.7	10.6
1898.....	5,415	4,709	2,737	1,972	2,641	1,454	96	518	86.9	10.7
Total and mean.	103,345	80,796	46,055	34,831	44,537	26,613	1,428	8,218	78.1	10.8

Years.	Per cent of illegitimacy to total births.	Per cent of legitimacy to total births, by color.		Per cent of illegitimacy to total births, by color.		Per cent of illegitimacy to total illegitimacy, by color.		Per cent of white illegitimacy to white births, and colored illegitimacy to colored births.	
		White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
1879.....	12.5	54.2	36.7	1.31	7.83	14.0	86.0	2.32	17.60
1880.....	12.0	54.7	35.6	1.38	8.35	14.0	86.0	2.43	19.02
1881.....	12.9	54.6	35.4	1.47	8.54	14.8	85.2	2.33	19.42
1882.....	12.3	51.5	37.7	1.60	9.26	14.4	85.3	2.09	19.73
1883.....	14.1	52.4	36.3	1.74	9.63	15.0	85.0	3.14	20.95
1884.....	13.4	52.2	37.1	2.00	8.70	18.3	81.7	3.60	19.02
1885.....	15.0	54.1	34.7	1.68	10.18	14.3	85.2	3.00	22.88
1886.....	15.2	54.5	33.7	1.85	9.98	15.6	84.4	3.28	22.86
1887.....	14.8	54.3	34.5	1.83	9.33	16.7	83.3	3.34	21.27
1888.....	16.1	53.5	34.4	1.93	10.16	16.0	84.0	3.49	22.18
1889.....	12.7	52.4	34.9	1.93	10.70	15.4	84.6	3.59	23.45
1890.....	13.7	53.3	33.0	1.84	11.90	13.4	86.6	3.34	26.50
1891.....	12.3	56.1	31.5	1.68	10.70	13.7	86.3	2.90	25.12
1892.....	12.7	55.9	31.2	1.45	11.25	11.4	88.6	2.53	26.40
1893.....	12.9	56.3	30.6	1.64	11.30	12.6	87.4	2.82	27.00
1894.....	12.2	58.1	29.6	1.53	10.69	12.5	87.5	2.56	26.46
1895.....	13.0	57.8	29.2	2.17	10.85	16.7	83.3	3.61	27.14
1896.....	13.1	57.0	29.8	2.13	10.99	16.2	83.8	3.48	26.03
1897.....	12.5	58.3	29.2	2.10	14.30	16.8	83.2	3.48	35.73
1898.....	13.0	56.3	30.9	2.04	11.00	15.6	84.4	4.24	26.30
Total and mean.	13.2	55.1	30.3	3.00	10.1	14.8	85.2	3.10	23.60

TABLE XXXVII.—Deaths from pneumonia during twenty-three years, from July 1, 1875, to June 30, 1898, inclusive, by years, months, and color.

Years.	July.			August.			September.			October.			November.			December.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1875-76.....	3	3	6	7	11	18	3	6	9	9	15	24	12	16	28	22	20	42
1876-77.....	4	3	7	5	6	11	3	11	14	8	8	16	9	13	22	15	16	31
1877-78.....	1	6	6	2	5	7	1	4	5	3	10	13	7	15	25	6	20	26
1878-79.....	7	13	20	7	10	17	9	10	19	6	10	16	11	20	31	12	17	29
1879-80.....	5	3	8	6	11	17	4	12	16	4	5	9	17	9	26	11	18	29
1880-81.....	5	13	18	2	9	11	2	5	7	2	10	12	10	10	20	17	19	36
1881-82.....	2	4	6	3	7	10	2	5	7	5	6	11	11	9	20	10	29	39
1882-83.....	2	7	9	2	9	11	5	4	9	4	7	11	12	16	28	18	15	33
1883-84.....	1	6	7	3	4	7	2	4	6	7	11	18	10	14	24	34	29	63
1884-85.....	3	5	8	2	3	5	2	4	6	3	7	10	17	12	29	10	14	24
1885-86.....	5	4	9	2	4	6	7	1	8	5	5	10	4	12	16	11	8	19
1886-87.....	3	5	8	5	7	12	4	7	11	6	5	11	9	11	20	16	20	36
1887-88.....	2	3	5	2	2	4	5	9	14	6	6	12	15	8	23	15	12	37
1888-89.....	3	2	5	2	8	10	4	6	10	10	13	23	10	10	20	23	24	37
1889-90.....	2	2	4	4	2	6	6	6	12	8	20	13	16	29	13	21	34	66
1890-91.....	5	4	9	6	10	16	6	9	15	8	8	16	12	14	26	26	26	52
1891-92.....	3	6	9	3	7	10	10	11	21	7	17	24	17	10	27	32	34	66
1892-93.....	6	7	13	7	7	14	12	8	20	13	14	27	11	22	33	12	23	35
1893-94.....	8	7	15	5	5	10	2	9	10	8	15	23	8	20	28	28	19	47
1894-95.....	4	3	7	5	6	11	4	6	10	10	17	27	5	21	26	25	21	46
1895-96.....	8	9	17	5	4	9	7	8	15	11	17	28	29	22	51	24	21	45
1896-97.....	1	10	11	4	5	9	7	8	15	5	1	6	21	19	40	24	20	44
1897-98.....	3	6	9	6	10	16	7	10	17	12	22	16	21	37	27	36	63	
Total pneumonia.	85	131	216	95	152	247	178	152	270	162	227	389	286	340	626	431	482	913
Total bronchitis.	44	70	114	37	66	103	48	71	119	77	103	180	80	136	216	127	181	308
Total congestion of lungs.....	39	32	71	40	26	66	46	43	89	59	66	125	74	73	147	92	91	183
Total acute lung diseases.....	168	233	401	172	244	416	212	266	478	298	396	694	440	549	989	650	754	1,404

Years.	January.			February.			March.			April.			May.			June.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1875-76.....	15	36	51	23	29	52	40	38	78	22	44	66	15	26	41	2	6	8
1876-77.....	30	28	58	19	42	61	23	31	54	14	19	33	7	8	25	5	13	18
1877-78.....	23	26	49	16	21	37	16	34	50	17	20	37	15	36	51	9	25	34
1878-79.....	22	34	56	20	34	54	30	47	77	19	30	49	4	21	25	3	10	13
1879-80.....	18	23	41	15	22	37	31	30	61	14	25	39	6	20	26	11	8	19
1880-81.....	20	22	42	18	23	41	24	38	62	19	27	46	12	11	23	3	7	10
1881-82.....	16	19	37	22	30	52	19	36	55	20	16	36	15	16	31	8	8	16
1882-83.....	13	23	36	20	23	43	30	31	61	20	24	44	18	10	28	6	5	11
1883-84.....	19	19	38	21	17	38	24	18	42	20	22	42	11	11	22	5	5	10
1884-85.....	11	19	30	19	45	64	24	43	67	21	39	60	13	22	35	4	12	16
1885-86.....	19	17	36	16	26	42	23	29	52	22	29	51	10	13	23	7	7	14
1886-87.....	17	19	36	20	15	35	14	15	29	18	13	31	4	9	13	6	3	9
1887-88.....	28	29	57	26	22	48	20	30	59	22	20	42	16	9	25	3	4	7
1888-89.....	16	27	43	27	27	54	32	28	60	18	18	36	4	10	14	7	2	9
1889-90.....	48	71	119	25	27	52	22	27	49	20	23	43	13	19	32	9	13	22
1890-91.....	23	17	40	17	19	36	44	36	80	86	71	157	11	31	42	14	15	29
1891-92.....	75	61	139	42	45	87	30	37	67	17	21	38	14	9	23	6	10	16
1892-93.....	27	30	57	28	37	65	48	47	95	25	25	50	22	23	45	9	13	22
1893-94.....	29	28	57	39	22	61	32	45	77	22	32	54	11	17	28	2	12	14
1894-95.....	26	24	50	35	33	68	40	35	75	36	24	54	17	17	24	6	9	15
1895-96.....	41	42	83	42	48	90	27	35	62	20	37	57	9	14	23	5	15	20
1896-97.....	46	34	80	61	38	99	40	35	75	31	26	57	13	17	30	10	9	19
1897-98.....	31	29	60	28	42	70	38	35	73	23	24	47	14	17	31	9	12	21
Total pneumonia.	615	680	1,295	599	687	1,286	680	680	1,360	540	629	1,169	264	386	650	149	223	372
Total bronchitis.	155	228	383	150	240	390	178	237	415	135	184	319	80	121	201	47	93	140
Total congestion of lungs.....	163	135	298	111	107	218	120	85	205	102	93	195	60	71	131	46	43	89
Total acute lung diseases.....	933	1,043	1,976	860	1,034	1,894	978	1,002	1,980	777	906	1,683	404	578	982	242	359	601

TABLE XXXVIII.—Deaths from bronchitis during twenty-three years, from July 1, 1875, to June 30, 1898, inclusive, by years, months, and color.

Years.	July.			August.			September.			October.			November.			December.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1875-76.....	1	1	2	3	---	3	1	2	3	2	3	5	4	3	7	5	2	7
1876-77.....	3	2	5	3	2	5	2	3	5	3	5	8	2	2	4	6	7	13
1877-78.....	1	1	1	2	2	4	3	2	5	3	2	2	2	2	2	3	4	7
1878-79.....	1	1	2	2	4	6	3	2	5	3	1	5	3	4	7	6	4	10
1879-80.....	2	---	2	---	4	4	---	4	4	1	2	3	1	4	5	4	8	12
1880-81.....	---	4	4	2	4	6	4	5	9	2	4	6	1	6	7	1	5	6
1881-82.....	---	3	3	1	---	1	1	2	3	4	2	6	4	7	11	2	8	10
1882-83.....	1	1	2	1	---	1	---	4	4	2	6	8	1	8	9	4	7	11
1883-84.....	1	1	2	2	3	5	1	3	4	3	5	8	2	11	13	6	14	20
1884-85.....	1	5	6	2	1	3	2	3	5	2	4	6	1	5	6	4	10	14
1885-86.....	4	4	8	1	2	3	1	4	5	2	7	9	3	8	11	3	3	6
1886-87.....	2	4	6	4	4	8	3	5	8	6	9	15	4	11	15	2	7	9
1887-88.....	1	---	1	1	2	3	3	1	4	1	5	6	4	3	7	5	5	10
1888-89.....	4	4	5	1	3	4	3	2	5	1	5	10	3	6	9	12	9	24
1889-90.....	4	4	8	1	3	4	2	1	3	5	2	7	2	10	12	7	11	18
1890-91.....	2	5	7	3	9	12	4	2	6	3	10	13	4	7	11	6	10	16
1891-92.....	1	6	7	2	4	6	1	3	4	3	5	8	6	9	15	9	14	23
1892-93.....	3	7	10	2	6	8	4	7	11	5	6	11	8	7	15	7	11	18
1893-94.....	4	6	10	1	1	2	5	2	7	7	8	15	6	3	9	8	16	24
1894-95.....	3	5	8	2	4	6	1	3	4	3	4	7	7	3	10	5	5	10
1895-96.....	4	3	7	1	7	8	3	5	8	3	6	9	6	4	10	14	8	22
1896-97.....	1	4	5	2	2	4	3	3	6	5	1	6	5	3	8	6	6	12
1897-98.....	3	---	3	---	1	1	1	5	6	6	1	7	3	10	13	2	7	9
Total	44	70	114	37	66	103	48	71	119	77	103	180	80	136	216	127	181	308

Years.	January.			February.			March.			April.			May.			June.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1875-76.....	3	6	9	5	4	9	10	5	15	6	5	11	2	---	2	1	3	4
1876-77.....	5	4	9	2	10	12	2	5	7	5	1	6	1	---	1	---	3	3
1877-78.....	4	5	9	3	3	6	3	2	5	3	1	4	2	4	6	2	6	8
1878-79.....	6	4	10	2	5	7	6	8	14	2	12	14	---	5	5	2	1	3
1879-80.....	6	6	12	7	14	21	5	14	19	3	8	11	2	5	7	---	7	7
1880-81.....	4	7	11	6	8	14	4	9	13	3	11	14	2	5	7	1	---	1
1881-82.....	---	8	8	3	9	12	2	5	7	6	7	13	1	4	5	3	6	9
1882-83.....	4	5	9	2	9	11	5	7	12	1	5	6	2	6	8	1	5	6
1883-84.....	9	13	22	9	17	26	6	11	17	4	4	8	2	3	5	---	1	1
1884-85.....	3	10	13	8	4	12	5	3	8	2	13	15	2	7	9	2	2	4
1885-86.....	8	8	16	4	12	16	8	13	21	6	9	15	1	4	5	2	4	6
1886-87.....	2	8	10	8	7	15	7	5	12	4	8	12	5	8	13	2	3	5
1887-88.....	5	14	19	8	10	18	8	15	23	2	2	4	3	1	4	2	3	5
1888-89.....	7	14	21	5	14	19	11	8	19	4	11	15	1	12	3	1	2	3
1889-90.....	6	25	31	6	13	19	11	16	27	9	10	19	9	12	21	2	10	12
1890-91.....	8	8	16	10	9	19	10	19	29	32	22	54	12	14	26	6	7	13
1891-92.....	25	22	47	19	20	39	15	11	26	6	11	17	7	10	17	6	4	10
1892-93.....	11	24	35	11	19	30	16	14	30	12	11	23	11	8	19	3	3	6
1893-94.....	10	9	19	5	12	17	15	14	29	7	9	16	6	5	11	2	8	10
1894-95.....	4	7	11	6	13	19	8	9	17	8	7	15	4	4	8	3	4	7
1895-96.....	7	8	15	8	9	17	7	14	21	4	13	17	3	5	8	2	3	5
1896-97.....	13	8	21	6	9	15	8	11	19	4	4	8	---	1	1	4	4	8
1897-98.....	5	5	10	7	10	17	6	9	15	2	---	2	2	8	10	---	4	4
Total	155	228	383	150	240	390	178	237	415	135	184	319	80	121	201	47	93	140

TABLE XXXIX.—Deaths from congestion of the lungs during twenty-three years, from July 1, 1875, to June 30, 1898, inclusive, by months, years, and color.

Years.	July.			August.			September.			October.			November.			December.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1875-76	2	1	3	2	1	3	2	4	6	---	4	4	2	5	7	1	2	3
1876-77	1	2	3	3	1	1	1	2	3	1	1	1	1	1	1	1	2	2
1877-78	1	---	1	3	3	6	2	1	3	---	3	3	3	1	4	---	2	2
1878-79	3	1	4	4	1	5	2	2	1	3	4	1	3	7	7	10	4	8
1879-80	4	1	5	1	1	1	5	2	6	1	1	2	6	4	10	10	10	10
1880-81	1	3	4	1	2	3	2	4	6	1	3	3	5	5	5	6	5	11
1881-82	1	---	1	1	1	2	2	2	1	3	3	4	4	4	8	4	1	5
1882-83	2	2	4	2	3	5	2	1	3	1	3	4	1	1	5	4	7	11
1883-84	---	---	---	2	3	3	---	3	3	2	3	3	5	5	5	2	3	4
1884-85	3	1	3	---	2	2	---	4	4	2	3	5	2	2	3	5	6	11
1885-86	1	2	3	3	---	3	3	---	3	3	5	1	6	4	2	6	3	7
1886-87	1	2	3	2	2	4	---	3	3	5	1	6	3	3	1	4	4	5
1887-88	2	1	3	---	1	1	2	6	8	1	1	2	3	4	7	3	3	6
1888-89	---	1	1	3	2	2	5	2	1	4	8	12	3	5	8	3	3	7
1889-90	3	2	5	2	2	2	2	1	3	8	1	9	1	2	4	2	6	8
1890-91	2	2	4	2	1	3	2	2	2	1	1	2	2	2	4	4	2	6
1891-92	3	2	5	2	2	2	1	1	2	5	3	8	7	5	12	10	4	14
1892-93	---	---	---	2	1	3	7	2	9	6	6	11	6	5	11	8	13	21
1893-94	2	1	3	2	2	2	1	1	2	1	1	2	5	5	10	10	2	12
1894-95	1	3	4	3	---	3	3	4	7	7	3	7	10	1	4	5	5	10
1895-96	5	5	10	1	2	3	2	1	3	7	2	9	5	9	14	8	5	14
1896-97	1	1	2	1	1	2	2	2	1	3	2	2	4	1	3	4	3	6
1897-98	---	1	1	1	2	2	2	2	1	3	2	2	4	2	2	---	---	2
Total	39	32	71	40	26	66	46	43	89	59	66	125	74	73	147	92	91	183

Years.	January.			February.			March.			April.			May.			June.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1875-76	1	3	4	3	4	7	3	5	8	8	2	10	1	1	2	2	2	2
1876-77	7	4	11	5	1	6	3	3	6	2	2	5	2	1	3	2	4	4
1877-78	5	2	7	5	1	6	6	2	8	1	4	5	3	4	7	3	1	3
1878-79	6	6	12	4	8	12	5	4	9	3	6	9	2	2	4	2	1	4
1879-80	6	2	8	9	7	16	1	2	3	2	6	8	2	2	2	3	3	3
1880-81	4	2	6	6	6	12	2	5	7	1	1	3	1	4	4	3	3	6
1881-82	7	4	11	5	5	10	7	3	10	6	2	8	1	7	8	4	4	4
1882-83	6	6	12	1	1	2	7	3	7	4	5	9	3	3	6	1	3	4
1883-84	6	10	16	1	6	7	8	1	9	2	3	5	2	1	3	5	3	8
1884-85	10	5	15	7	5	12	6	1	7	3	5	8	1	1	2	5	5	5
1885-86	1	6	7	4	4	8	4	2	6	3	2	4	6	2	2	3	2	4
1886-87	11	4	15	3	3	6	4	6	10	2	4	6	4	4	4	2	2	2
1887-88	8	3	11	5	5	10	4	6	10	2	2	4	4	4	4	2	4	4
1888-89	4	3	7	4	2	6	5	5	10	2	2	3	6	3	9	2	2	2
1889-90	10	7	17	1	2	3	5	3	8	2	1	3	6	3	9	3	3	6
1890-91	3	6	9	2	3	5	10	2	12	22	12	34	4	5	9	2	3	6
1891-92	18	11	29	13	6	10	10	7	17	3	6	9	4	4	8	3	3	6
1892-93	20	6	26	9	8	17	7	6	13	4	4	8	6	6	12	4	1	5
1893-94	5	11	16	6	5	11	11	5	16	3	3	6	2	4	6	2	1	3
1894-95	3	10	13	9	8	17	5	7	12	13	7	20	5	6	11	2	1	3
1895-96	11	12	23	4	5	9	4	4	8	2	3	5	4	6	10	1	2	3
1896-97	5	7	12	4	9	13	5	8	13	5	4	9	2	5	7	1	1	1
1897-98	6	5	11	1	3	4	3	---	3	4	2	6	3	---	3	3	---	3
Total	163	135	298	111	107	218	120	85	205	102	93	195	60	71	131	46	43	89

TABLE XL.—Mean daily dew-point, relative humidity, and the number of deaths from acute lung diseases in each month for seventeen years, from 1882 to 1898, inclusive.

Years.	July.			August.			September.			October.		
	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.
1882.....	64.6	67.8	10	64.8	70.8	13	66.9	74.3	13	53.2	73.4	24
1883.....	63.1	67.1	15	64.6	75.2	17	64.6	77.1	16	53.2	77.9	23
1884.....	61.8	68.9	9	59.6	67.9	15	55.9	74.3	13	49.0	76.9	31
1885.....	63.5	72.3	17	65.1	75.1	10	69.3	69.7	15	47.6	68.3	21
1886.....	65.6	68.8	19	63.7	73.7	12	55.3	71.2	16	47.4	78.6	25
1887.....	61.4	74.4	17	63.9	75.0	24	59.7	73.4	22	46.5	70.0	32
1888.....	69.6	71.9	9	63.0	72.7	8	55.0	83.8	26	42.5	65.9	20
1889.....	63.7	77.0	11	67.1	79.6	19	58.1	83.8	16	43.1	76.8	45
1890.....	67.5	80.4	17	63.5	79.0	12	57.9	81.3	12	43.3	76.5	35
1891.....	63.1	71.2	20	63.8	77.7	31	59.6	81.7	23	46.4	76.4	30
1892.....	62.3	66.7	21	66.2	81.7	18	62.4	82.8	27	43.3	73.5	40
1893.....	66.3	76.5	23	65.1	73.5	25	55.7	74.4	40	42.0	68.0	49
1894.....	63.0	67.0	28	61.2	57.2	14	56.0	76.0	19	46.8	77.0	40
1895.....	64.1	68.0	19	63.4	75.5	20	61.2	76.9	21	47.6	76.2	44
1896.....	62.5	74.8	34	65.4	72.0	20	60.1	72.8	26	37.4	64.4	46
1897.....	68.0	76.0	18	64.4	72.0	15	58.9	78.2	24	43.1	72.3	39
1898.....	67.6	77.7	12	65.0	78.0	19	57.2	75.0	26	49.5	80.7	21
Total.....	1103.7	1255.8	289	1089.4	1265.8	292	1007.8	1295.9	355	781.9	1259.8	565
Mean.....	64.9	73.8	17	64.1	74.5	17.2	59.3	76.2	20.9	46.0	74.1	33.2

Years.	November.			December.			January.			February.		
	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.
1882.....	39.7	74.9	39	34.5	76.6	54	27.4	80.9	56	31.5	76.6	74
1883.....	33.6	71.6	39	25.3	67.7	55	24.3	81.6	57	29.0	73.5	56
1884.....	37.6	71.0	42	29.2	75.6	87	23.2	77.9	76	34.2	78.5	71
1885.....	34.6	70.3	40	29.7	79.3	49	24.0	71.0	58	18.6	72.3	88
1886.....	37.7	76.2	33	27.6	69.1	30	23.7	81.4	59	24.8	76.2	66
1887.....	32.9	63.3	39	22.6	73.7	52	22.6	67.9	61	28.6	70.6	56
1888.....	30.3	60.1	37	27.2	69.7	42	21.2	73.6	87	27.8	75.5	76
1889.....	37.9	75.0	37	25.4	68.5	74	28.8	74.3	71	19.6	69.2	79
1890.....	37.8	78.2	44	34.0	72.8	60	32.7	71.7	211	33.0	74.5	94
1891.....	35.5	71.4	41	23.3	70.7	76	27.5	74.5	65	31.9	74.4	60
1892.....	33.5	72.9	44	30.5	69.7	103	22.8	73.2	215	27.0	73.7	145
1893.....	33.7	69.3	59	24.0	74.0	64	15.0	71.0	118	24.0	68.0	112
1894.....	33.5	73.5	47	27.8	71.2	83	29.4	76.6	92	26.2	73.0	89
1895.....	32.1	68.3	41	27.8	75.4	66	24.4	77.0	74	14.0	62.8	104
1896.....	38.2	80.6	75	29.5	74.3	80	23.2	69.4	121	24.7	67.2	116
1897.....	40.4	74.4	52	24.3	67.5	62	20.7	70.6	113	20.7	79.5	127
1898.....	36.5	74.6	52	29.7	76.7	73	27.2	72.4	80	23.4	68.9	90
Total.....	604.5	1225.6	760	472.4	1232.5	1,110	418.1	1215.0	1,614	448.0	1221.4	1,503
Mean.....	35.6	72.1	44.7	27.8	72.6	65.3	24.6	71.5	95.0	26.4	71.8	90.0

TABLE XL.—Mean daily dew-point, relative humidity, and the number of deaths from acute lung diseases in each month for seventeen years, from 1882 to 1898, inclusive—Cont'd.

Years.	March.			April.			May.			June.		
	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.
1882.....	33.5	69.3	72	39.3	68.1	57	48.3	70.9	44	60.0	64.5	29
1883.....	25.8	65.9	80	42.1	74.0	59	50.2	65.0	32	62.9	70.1	21
1884.....	33.1	72.9	68	36.6	62.1	55	51.4	66.0	30	61.6	71.4	19
1885.....	24.0	67.0	82	37.7	59.4	83	50.0	68.1	46	62.9	70.1	25
1886.....	32.0	70.8	76	46.9	75.7	72	55.3	80.4	30	64.2	83.2	25
1887.....	23.9	59.6	47	37.1	61.7	54	56.0	69.3	30	59.7	68.0	18
1888.....	27.2	69.4	92	37.3	59.1	52	53.5	74.5	33	61.8	70.0	14
1889.....	31.6	68.2	89	42.3	70.9	55	54.5	73.2	22	62.1	77.2	16
1890.....	28.5	67.2	89	40.1	63.6	65	53.2	72.8	65	66.7	68.9	37
1891.....	28.1	72.8	121	40.6	61.9	245	49.0	68.4	140	61.4	74.0	48
1892.....	26.8	70.1	120	38.7	64.8	64	52.0	69.2	48	66.2	75.0	32
1893.....	28.0	67.0	138	42.0	67.0	81	50.0	68.7	82	66.0	73.0	33
1894.....	35.0	65.6	122	39.2	63.2	76	54.1	69.9	45	61.0	67.6	26
1895.....	27.4	61.6	104	39.8	64.4	85	52.0	72.6	43	63.9	72.3	25
1896.....	27.0	67.0	91	43.4	65.5	79	57.3	72.7	41	61.1	75.4	28
1897.....	36.0	73.5	107	38.1	60.8	74	51.0	69.3	38	60.4	74.8	28
1898.....	38.7	73.7	91	37.0	62.9	55	56.0	78.0	44	60.8	66.2	27
Total.....	497.2	1159.6	1,589	678.2	1099.8	1,311	885.8	1207.3	812	1058.7	1218.9	401
Mean.....	29.2	68.2	93.5	40.0	64.7	77.1	52.1	71.0	47.8	61.7	71.7	23.6

TABLE XLI.—Percentage of deaths from pneumonia, bronchitis, and congestion of the lungs; also from total acute lung diseases to total population, and the total deaths therefrom since 1876 to the year 1898, inclusive.

Years.	Total population in each year.	Total deaths from all causes in each year.	Deaths from pneumonia in each year.	Percentage of deaths from pneumonia to total deaths.	Percentage of deaths from pneumonia to total population.	Deaths from bronchitis in each year.	Percentage of deaths from bronchitis to total deaths.
1876.....	157,600	4,160	423	10.2	2.67	77	1.85
1877.....	162,375	4,208	350	8.3	2.21	78	1.85
1878.....	167,300	4,231	337	8.0	2.13	50	1.18
1879.....	172,377	4,309	406	9.4	2.37	98	2.28
1880.....	177,638	4,207	328	7.8	1.90	107	2.55
1881.....	183,060	4,136	328	7.9	1.86	98	2.37
1882.....	188,653	4,571	320	7.0	1.70	88	1.92
1883.....	191,980	4,286	314	7.3	1.60	87	2.02
1884.....	196,490	4,814	317	6.6	1.60	131	2.73
1885.....	201,110	4,998	354	7.0	1.77	101	2.00
1886.....	205,840	4,673	286	6.1	1.40	121	2.59
1887.....	210,680	4,665	251	5.4	1.20	128	2.75
1888.....	215,630	5,040	323	6.4	1.40	104	2.06
1889.....	222,830	5,152	331	6.4	1.32	134	2.60
1890.....	232,460	5,564	416	7.5	1.76	181	3.25
1891.....	242,520	5,720	517	9.0	2.06	227	3.97
1892.....	253,010	6,098	527	8.6	2.03	219	3.58
1893.....	260,800	6,452	475	7.3	1.66	216	3.35
1894.....	265,600	6,039	424	7.0	1.49	169	2.80
1895.....	270,514	5,565	413	7.4	1.52	122	2.19
1896.....	275,500	5,904	500	8.5	1.80	147	2.48
1897.....	280,250	5,737	509	8.8	1.81	114	1.98
1898.....	280,250	5,415	466	8.6	1.66	97	1.79
Total and mean.....	5,014,467	115,944	8,915	7.8	1.78	2,885	2.49

TABLE XLI.—*Percentage of deaths from pneumonia, bronchitis, and congestion of the lungs; also from total acute lung diseases to total population, and the total deaths therefrom since 1876 to the year 1898, inclusive—Continued.*

Years.	Percentage of deaths from bronchitis to total population.	Deaths from congestion of lungs in each year.	Percentage of deaths from congestion of lungs to total deaths.	Percentage of deaths from congestion of lungs to total population.	Total deaths from acute lung diseases in each year.	Percentage of deaths from acute lung diseases to total deaths.	Percentage of deaths from acute lung diseases to total population.
1876	0.50	59	1.42	0.31	559	13.5	3.5
1877	.48	44	1.05	.27	472	11.2	2.9
1878	.30	56	1.32	.33	443	10.5	2.7
1879	.67	86	2.02	.59	590	13.7	3.4
1880	.60	74	1.82	.41	509	12.1	2.9
1881	.53	68	1.64	.37	494	11.9	2.7
1882	.46	77	1.70	.49	485	10.6	2.6
1883	.45	69	1.60	.36	470	10.0	2.5
1884	.65	68	1.42	.34	516	10.7	2.6
1885	.50	79	1.58	.39	534	10.6	2.7
1886	.60	56	1.20	.27	463	10.0	2.3
1887	.60	73	1.56	.35	452	9.7	2.2
1888	.46	69	1.30	.30	496	9.8	2.2
1889	.53	69	1.34	.30	534	10.3	2.1
1890	.72	73	1.31	.30	670	12.0	2.7
1891	.90	98	1.71	.39	842	14.7	3.4
1892	.81	131	2.15	.50	877	14.2	3.4
1893	.70	136	2.11	.48	827	13.8	2.9
1894	.50	88	1.45	.31	631	11.2	2.4
1895	.44	115	2.07	.41	680	11.7	2.4
1896	.53	110	1.88	.40	757	12.8	2.7
1897	.40	79	1.37	.28	702	12.2	2.5
1898	.34	44	.81	.16	607	11.2	2.2
Total and mean	.57	1,821	1.57	.36	13,630	11.7	2.7

TABLE XLII.—*Comparative statement of deaths of persons 60 years of age and over, with percentages to total deaths and to total population, for fourteen years from 1884 to 1898.*

Years.	Total population.	Total deaths.	Deaths of persons 60 years of age and over, less those by violence.	Percentage of deaths of those 60 years and over to total deaths.	Number of deaths of those 60 years and over to 1,000 of population.	Number of deaths of all ages to 1,000 of population.
1884-85	201,110	4,998	889	17.80	4.4	24.99
1885-86	205,840	4,674	875	18.72	4.2	22.80
1886-87	210,680	4,665	860	18.43	4.1	22.21
1887-88	215,630	5,040	959	19.03	4.2	22.40
1888-89	222,830	5,152	884	17.14	3.6	20.60
1889-90	232,460	5,564	966	17.36	3.8	22.25
1890-91	242,520	5,720	1,137	19.88	4.5	22.88
1891-92	253,010	6,098	1,206	19.78	4.6	23.45
1892-93	260,800	6,452	1,292	20.00	5.5	22.64
1893-94	265,600	6,039	1,192	19.74	4.2	21.19
1894-95	270,514	5,565	1,131	20.32	4.1	20.57
1895-96	275,500	5,904	1,174	19.88	4.3	21.43
1896-97	280,250	5,737	1,310	22.83	4.7	20.43
1897-98	280,250	5,415	1,216	22.25	4.3	19.32
Aggregate and mean	3,416,994	77,023	14,591	18.94	4.3	22.53

TABLE XLIII.—Comparative statement exhibiting general results of marriages, births, and deaths during the six years ended June 30, 1898.

Subject.	Year ended June 30—					
	1893.	1894.	1895.	1896.	1897.	1898.
Marriages	1,424	1,496	2,391	2,237	1,519	1,598
Births	4,428	5,042	4,794	4,706	4,573	4,709
Deaths	6,452	6,039	5,565	5,904	5,737	5,415
Death rates	22.64	21.19	20.57	21.43	20.43	19.32
Deaths under 1 year of age	1,770	1,616	1,257	1,523	1,411	1,267
Deaths under 5 years of age	2,361	2,222	1,775	2,090	1,853	1,785
Deaths 50 years of age and over	1,926	1,917	1,773	1,776	1,310	1,771
Deaths in institutions	1,265	1,183	1,147	1,257	1,207	1,209
Causes of death:						
Measles	10	10	10	70	3	10
Scarlet fever	7	14	16	13	1	13
Diphtheria	128	172	124	75	110	130
Whooping cough	30	74	58	22	65	84
Typhoid fever	187	191	187	228	147	130
Malarial fevers	50	26	64	84	57	51
Meningitis	105	83	88	95	69	106
Diarrheal diseases	575	519	300	468	358	319
Croup	30	26	17	9	6	5
Acute lung diseases	827	681	650	757	702	607
Consumption	681	675	671	705	776	667
Bright's disease of the kidneys	63	49	38	41	52	45
Heart disease (excluding aneurisms)	345	340	368	394	400	441
Violence	298	267	248	234	227	228
All other diseases	3,116	2,912	2,726	2,709	2,764	2,582

TABLE XLIV.—Mean temperature in the District of Columbia.

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1870.....											44.6	34.0
1871.....	32.6	35.9	48.0	58.2	63.9	73.2	74.0	76.8	62.3	58.1	42.3	32.1
1872.....	31.7	33.7	35.4	56.0	67.4	75.4	81.8	79.0	69.0	65.5	42.5	30.3
1873.....	30.9	34.8	41.8	53.1	63.6	75.1	79.8	74.8	68.0	54.9	40.8	40.5
1874.....	40.8	37.2	44.5	47.6	63.8	77.5	78.9	71.6	70.1	55.9	44.6	39.2
1875.....	29.5	28.8	39.1	48.0	63.6	72.9	77.0	71.9	64.6	53.6	41.0	36.8
1876.....	40.3	36.7	39.4	51.4	64.5	75.8	81.4	75.5	65.2	50.7	45.2	26.5
1877.....	29.1	39.4	41.0	52.9	61.9	73.9	77.8	76.2	66.9	58.6	46.2	41.8
1878.....	33.5	39.8	49.4	58.3	62.5	69.1	80.2	75.0	68.9	57.0	45.4	33.3
1879.....	30.8	31.6	43.5	51.8	65.3	72.9	78.6	73.9	64.4	62.0	45.6	41.1
1880.....	41.9	40.8	41.8	55.5	70.5	73.5	76.7	74.9	67.9	54.9	40.2	49.0
1881.....	27.6	32.3	40.1	50.3	67.0	70.7	77.4	76.5	77.0	69.2	47.5	41.7
1882.....	33.2	40.4	44.1	50.8	59.2	73.8	76.0	73.8	69.1	60.9	42.9	34.1
1883.....	29.6	37.5	37.6	50.9	63.6	74.4	76.8	72.1	65.1	56.9	47.2	36.9
1884.....	29.4	40.9	42.2	50.9	64.4	73.5	74.2	74.2	71.7	59.6	44.7	36.0
1885.....	32.9	26.9	34.5	53.1	62.3	71.4	77.8	73.4	66.1	54.7	45.3	37.5
1886.....	28.9	32.2	42.0	55.5	62.1	69.9	73.9	73.1	69.3	57.6	46.1	30.7
1887.....	32.9	38.9	38.5	51.6	67.9	72.1	80.5	73.2	65.0	55.4	44.9	37.2
1888.....	29.2	35.7	37.5	52.9	62.7	73.0	72.9	73.9	63.2	50.5	45.8	35.2
1889.....	36.8	29.4	42.3	53.2	63.8	69.8	74.2	70.6	65.6	52.5	46.2	45.6
1890.....	44.2	43.4	41.4	53.7	63.8	74.9	74.1	73.5	67.7	56.2	47.8	34.2
1891.....	37.3	41.5	38.5	55.4	61.3	71.4	72.0	74.5	70.2	57.8	43.6	33.0
1892.....	31.7	36.9	37.7	51.5	63.8	76.2	75.7	76.2	66.2	55.0	43.6	38.4
1893.....	24.0	34.9	41.0	54.0	61.6	72.0	77.0	74.7	66.0	56.4	47.8	34.2
1894.....	37.7	35.2	48.6	59.2	64.8	73.7	78.0	73.9	71.4	57.8	43.8	37.4
1895.....	31.6	26.2	41.8	59.8	62.6	74.6	72.7	77.3	72.4	52.1	46.4	46.1
1896.....	33.3	36.6	38.6	66.5	68.8	71.3	76.6	75.7	67.7	54.0	50.6	35.5
1897.....	30.9	46.5	46.0	53.0	62.5	69.7	70.4	74.0	68.2	58.1	45.9	38.1

TABLE XLV.—*Mean relative humidity in the District of Columbia.*

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual mean.
1874													
1875	73.6	67.2	69.0	65.1	53.7	64.2	70.3	81.8	72.2	68.7	66.1	65.5	66.8
1876	68.0	69.6	67.2	59.6	64.7	65.3	64.5	73.2	72.8	68.9	74.1	69.5	68.1
1877	74.9	61.9	66.4	63.6	61.7	71.6	71.7	71.3	75.9	74.8	73.2	71.3	69.9
1878	76.8	70.4	63.8	63.0	66.6	66.7	69.5	77.3	77.0	71.6	72.4	71.4	70.5
1879	72.3	67.0	58.6	57.7	61.7	63.9	60.4	71.9	71.3	67.4	64.3	71.9	65.7
1880	74.1	65.3	65.8	55.5	58.5	63.0	65.1	70.8	68.9	67.9	70.5	74.2	66.6
1881	77.6	73.4	67.3	66.0	69.3	72.7	67.8	70.9	74.4	73.4	74.9	76.0	72.0
1882	80.9	72.6	69.3	68.1	70.9	74.9	67.1	75.2	77.2	78.0	71.6	71.3	73.2
1883	81.6	73.5	65.9	74.0	64.9	70.1	68.9	67.9	74.3	77.0	71.0	75.2	72.0
1884	77.9	78.5	72.9	62.1	66.0	71.4	72.3	75.1	69.8	68.3	70.3	79.4	72.0
1885	71.1	72.2	67.0	59.4	68.1	60.0	68.8	73.7	71.2	78.6	76.2	69.1	69.6
1886	81.4	76.2	70.8	75.7	80.4	83.2	74.4	75.0	73.7	70.0	63.3	73.7	74.8
1887	67.9	70.6	59.6	61.7	69.3	68.0	71.9	72.8	72.9	65.9	60.1	69.7	67.5
1888	73.6	75.5	69.4	59.1	74.5	70.0	77.0	79.6	83.8	76.8	75.0	68.5	73.6
1889	74.4	69.2	67.2	69.2	73.2	77.2	80.4	79.0	81.3	76.5	78.2	72.8	75.0
1890	71.7	74.5	62.2	63.6	72.8	68.9	71.2	77.7	81.7	76.4	71.4	70.7	72.3
1891	74.5	74.4	72.8	61.9	68.4	74.0	96.7	81.7	82.8	73.5	72.9	69.7	75.2
1892	73.2	73.7	70.1	64.8	69.2	75.0	76.5	73.5	74.4	68.0	69.3	74.0	71.8
1893	71.0	68.0	65.0	67.0	68.7	72.0	67.0	67.2	76.0	77.0	73.5	71.2	70.4
1894	76.6	73.0	65.6	63.2	69.9	67.6	68.0	75.5	76.9	76.2	68.3	75.4	71.3
1895	77.0	62.8	61.6	64.4	72.6	72.3	74.8	72.0	72.8	64.4	80.6	74.3	70.8
1896	69.4	67.0	67.0	65.5	72.7	75.4	76.0	72.0	78.2	72.3	74.4	67.5	71.1
1897	70.6	79.5	73.5	60.0	69.3	74.8	77.7	78.0	75.0	80.7	74.6	76.7	74.1

TABLE XLVI.—*Rainfall in the District of Columbia.*

Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1870													
1871	2.20	1.99	5.92	1.54	3.45	4.78	6.10	1.59	2.70	1.50	4.85	1.36	37.98
1872	.23	.93	3.22	1.74	1.43	2.78	.82	5.72	3.92	4.83	2.75	2.49	30.86
1873	3.73	4.69	3.03	3.19	5.21	1.63	4.30	6.83	3.48	5.62	3.02	.97	45.70
1874	1.89	1.84	2.06	5.65	2.82	3.47	2.34	1.71	7.84	.29	2.08	2.59	34.58
1875	1.86	2.65	3.96	2.29	1.01	2.06	3.05	12.93	1.98	1.86	3.95	3.51	41.11
1876	1.68	3.50	5.52	2.43	3.02	4.59	5.12	4.17	10.81	2.99	2.83	1.30	47.96
1877	3.73	1.16	3.58	4.87	2.26	5.92	6.50	2.74	4.93	6.50	7.18	3.22	52.59
1878	4.77	2.54	4.31	3.32	5.27	6.33	8.37	8.89	2.46	5.86	3.03	4.94	60.09
1879	3.13	1.87	1.74	2.39	1.58	3.29	3.36	7.36	1.56	.79	1.10	4.66	32.83
1880	2.51	1.71	5.60	3.81	3.37	3.52	2.25	3.83	3.42	2.31	2.48	4.02	38.83
1881	5.14	4.01	6.61	2.08	1.86	5.71	1.67	1.07	2.19	3.29	2.45	6.12	42.20
1882	7.09	5.09	3.75	2.55	5.00	2.33	4.46	4.44	7.84	.53	1.33	2.38	46.79
1883	3.15	5.08	3.27	4.09	2.50	8.55	4.73	3.30	4.33	2.63	1.19	2.89	45.71
1884	5.59	6.84	7.24	1.86	3.09	6.95	7.39	1.01	.14	1.73	3.42	4.70	49.96
1885	4.46	4.63	1.53	1.71	2.85	3.30	3.03	6.49	2.15	8.69	3.33	2.67	44.84
1886	5.01	4.32	6.41	2.71	10.60	6.75	10.63	2.43	1.79	1.20	2.88	3.44	58.17
1887	2.39	3.42	3.83	3.24	2.50	2.99	3.29	2.34	3.12	1.82	1.83	4.81	35.06
1888	2.99	3.19	4.53	1.89	4.77	3.53	4.47	3.35	6.82	3.27	2.97	3.27	45.00
1889	4.05	2.47	4.20	6.13	10.69	5.01	8.13	3.07	3.88	4.48	6.03	.19	61.33
1890	1.54	4.20	3.65	2.81	4.73	2.02	3.24	5.50	4.32	5.15	1.79	3.74	41.59
1891	6.14	4.49	8.84	2.94	3.72	4.61	8.40	4.18	3.12	2.24	1.47	2.80	53.05
1892	5.84	3.64	5.70	4.52	4.07	2.59	5.04	.27	3.55	.34	3.38	2.82	41.76
1893	1.85	4.25	1.83	3.21	5.41	1.81	1.44	2.32	3.91	4.11	4.30	2.27	36.71
1894	2.14	4.64	.98	3.34	4.03	1.24	2.14	2.00	1.53	3.14	1.52	4.15	32.85
1895	4.42	1.10	2.50	6.26	3.09	4.34	4.50	1.26	1.11	1.94	1.26	2.38	34.16
1896	2.27	5.31	5.16	1.07	2.26	2.39	3.69	2.65	3.18	.34	2.54	.30	31.16
1897	1.98	6.47	2.96	3.02	6.99	2.60	5.78	3.35	1.54	3.55	3.31	3.85	44.60

TABLE XLVII.—Statement showing the number of cases of diphtheria reported, together with the number of deaths therefrom, with percentages, sex, and color, for the year ended June 30, 1898.

Month.	Total cases reported.	Total deaths.	Deaths by color.		Cases by color.		Per- cent- ages of deaths to cases.	Percent- age of cases to 10,000 of popu- lation.	Percent- ages of deaths to 10,000 of popu- lation.
			White.	Colored.	White.	Colored.			
1897.									
July	24	4	2	2	17	7	16.6	0.85	0.14
August	31	7	5	2	23	8	23.5	1.10	.25
September	52	13	6	7	30	22	25.0	1.85	.46
October	72	15	3	12	46	26	29.8	2.56	.53
November	9	16	10	6	75	24	16.1	3.53	.57
December	69	10	4	6	55	14	14.5	2.46	.36
1898.									
January	82	15	9	6	52	30	18.3	2.92	.53
February	51	10	6	4	39	12	19.6	1.81	.36
March	45	10	5	5	30	15	22.2	1.67	.36
April	54	12	7	5	33	21	22.2	1.92	.43
May	61	8	3	5	47	14	13.1	2.17	.30
June	54	10	5	5	39	15	18.5	1.92	.36
Total	694	130	65	65	486	208	18.7	24.76	4.65

TABLE XLVIII.—Statement showing the number of cases of scarlet fever reported, together with the number of deaths therefrom, with percentages, sex, and color, for the year ended June 30, 1898.

Months.	Total cases reported.	Total deaths.	Deaths by color.		Cases by color.		Per- cent- ages of deaths to cases.	Percent- ages of cases to 10,000 of popu- lation.	Percent- ages of deaths to 10,000 of popu- lation.
			White.	Colored.	White.	Colored.			
1897.									
July	8				7	1		0.28	
August	7				7			.24	
September	9				7	2		.32	
October	44	1	1		42	2	2.3	1.57	0.036
November	37	1	1		37		2.7	1.32	.036
December	47	2	2		45	2	4.2	1.68	.071
1898.									
January	44	1	1		43	1	2.3	1.57	.036
February	47	1	1		42	5	2.1	1.68	.036
March	63	1		1	60	3	1.5	2.25	.036
April	46	1	1		44	2	2.2	1.64	.036
May	44	3	3		42	2	6.8	1.57	.106
June	42	2		2	34	8	4.8	1.50	.071
Total	438	13	10	3	410	28	29	15.62	.464

TABLE XLIX.—*Statement showing number of deaths from typhoid fever, by months, from July 1, 1879, to June 30, 1898.*

Fiscal year—	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1879-1880.....	10	16	9	12	7	3
1880-1881.....	8	9	5	11	4	7
1881-1882.....	6	17	17	28	14	6
1882-1883.....	11	16	7	17	6	2
1883-1884.....	12	8	10	5	6	9
1884-1885.....	7	13	21	26	13	19
1885-1886.....	19	16	14	19	9	13
1886-1887.....	15	19	15	13	12	16
1887-1888.....	18	32	22	20	18	15
1888-1889.....	12	23	27	34	19	7
1889-1890.....	23	18	29	15	18	29
1890-1891.....	33	26	29	30	21	17
1891-1892.....	6	22	21	36	26	12
1892-1893.....	19	21	31	22	25	18
1893-1894.....	21	24	28	23	23	21
1894-1895.....	33	30	26	30	24	16
1895-1896.....	12	27	56	55	24	20
1896-1897.....	8	15	25	25	18	16
1897-1898.....	10	16	18	10	9	18
Monthly totals and general average for 19 years.....	283	368	410	431	296	264

Fiscal year—	Jan.	Feb.	Mar.	Apr.	May.	June.	Total deaths from typhoid fever.	Population.	Rate per 10,000 of population.
1879-1880.....	6	2	5	2	6	6	84	177,638	4.73
1880-1881.....	5	3	2	5	4	4	67	183,000	3.66
1881-1882.....	7	8	6	5	5	1	120	188,653	3.36
1882-1883.....	5	6	8	4	5	5	92	191,980	4.80
1883-1884.....	3	4	5	5	3	6	76	196,490	3.86
1884-1885.....	6	2	4	1	1	11	124	201,114	6.11
1885-1886.....	7	5	10	7	6	3	128	205,820	5.93
1886-1887.....	4	6	6	4	2	4	116	210,600	5.53
1887-1888.....	8	7	8	7	3	10	168	215,630	7.80
1888-1889.....	14	7	9	5	6	7	170	222,830	7.63
1889-1890.....	9	6	19	11	10	21	208	232,460	8.95
1890-1891.....	12	6	12	9	5	8	208	242,520	8.55
1891-1892.....	13	13	8	7	8	11	183	253,010	7.20
1892-1893.....	6	7	6	11	11	10	187	280,800	7.17
1893-1894.....	10	5	5	6	5	20	191	285,600	7.20
1894-1895.....	3	8	2	1	6	8	187	270,514	7.17
1895-1896.....	9	8	3	3	4	7	228	274,160	8.27
1896-1897.....	13	4	4	4	6	9	147	276,963	5.31
1897-1898.....	8	4	2	9	6	20	130	280,250	4.63
Monthly totals and general average for 19 years.....	148	111	124	106	102	171	2,814	4,349,972	6.47



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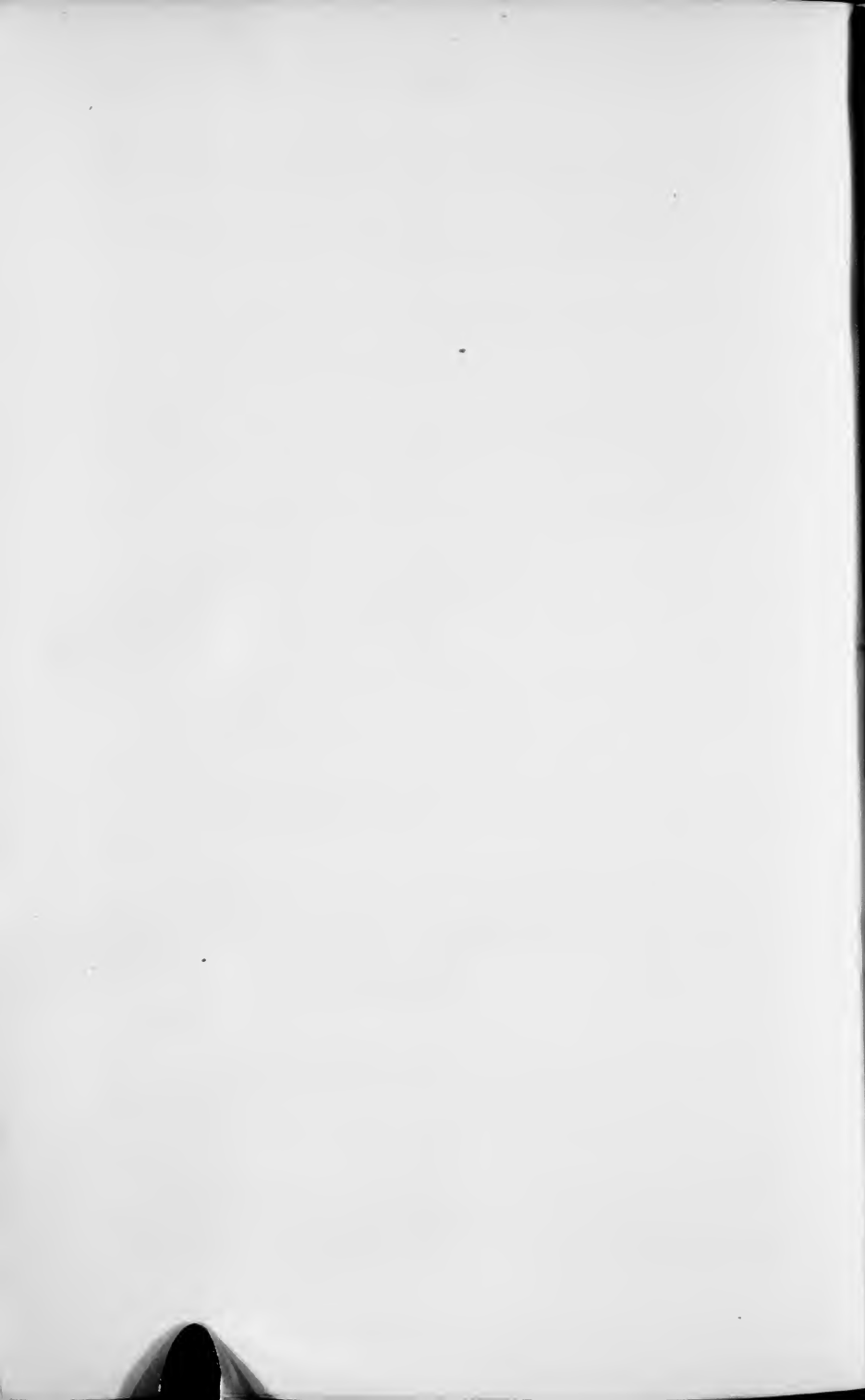
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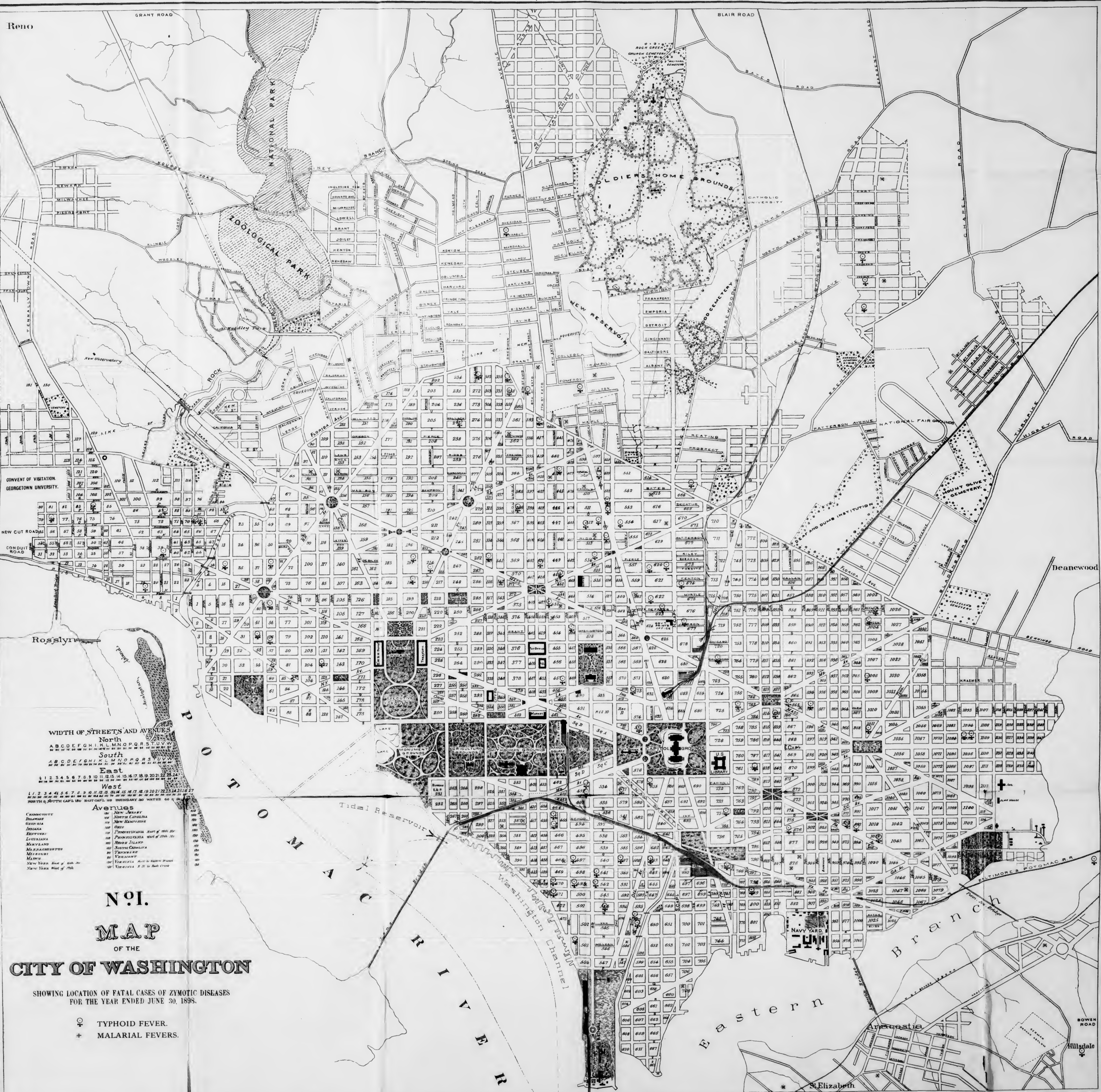
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Reno

GRANT ROAD

BLAIR ROAD



WIDTH OF STREETS AND AVENUES

North

AB C D E F G H I J K L M N O P Q R S T U V W X Y Z

South

AB C D E F G H I J K L M N O P Q R S T U V W X Y Z

East

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

West

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Avenues

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Streets

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Canals

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Other

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

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City

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

of

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the

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

City

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of

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Washington

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

D.C.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

Map

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

of

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

City

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of

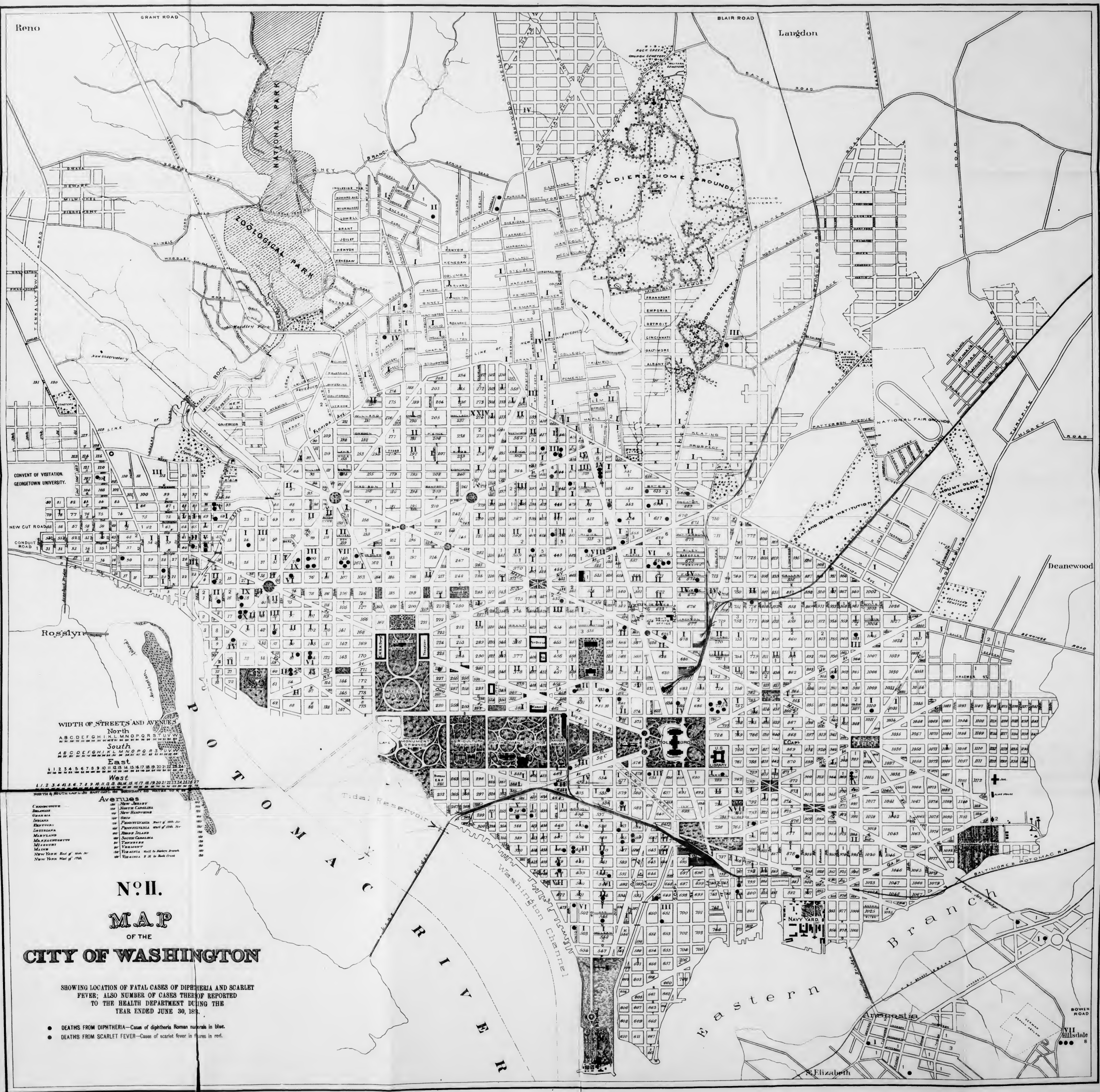
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Washington

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D.C.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22



N. II.
MAP
OF THE

CITY OF WASHINGTON

SHOWING LOCATION OF FATAL CASES OF DIPHTHERIA AND SCARLET
FEVER; ALSO NUMBER OF CASES THEREOF REPORTED
TO THE HEALTH DEPARTMENT DURING THE
YEAR ENDED JUNE 30, 1894.

- DEATHS FROM DIPHTHERIA—Cases of diphtheria Roman numerals in blue.
- DEATHS FROM SCARLET FEVER—Cases of scarlet fever in figures in red.

Reno

Langdon

GRANT ROAD

BLAIR ROAD

Roslyn

Deanewood

WIDTH OF STREETS AND AVENUES

North

ABCDEFGHIJKLMN O P Q R S T U V W

South

ABCDEFGHIJKLMN O P Q R S T U V W

East

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

West

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Avenues

1st New Jersey
2nd New Jersey
3rd New Jersey
4th New Jersey
5th New Jersey
6th New Jersey
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97th New Jersey
98th New Jersey
99th New Jersey
100th New Jersey

N. III.

MAP

OF THE

CITY OF WASHINGTON

SHOWING LOCATION OF FATAL CASES OF DIARRHOEAL DISEASES
FOR THE YEAR ENDED JUNE 30, 1898

EXPLANATION:

■ DEATHS FROM DIARRHOEAL DISEASES.

NATIONAL PARK
ZOOLOGICAL PARK
ROCK CREEK
SOLDIERS HOME GROUNDS
NEW RESERVOIR
CATHOLIC UNIVERSITY
NATIONAL FAIRGROUNDS
MOUNT OLIVE CEMETERY
DEANWOOD
ROSLYN
TIDAL RESERVOIR
WASHINGTON CHANNEL
EASTERN BRANCH
ELIZABETH
BOWEN ROAD
MILLSDALE

Reno

GRANT ROAD

BLAIR ROAD

Langdon



Nº IV.

MAP

OF THE

CITY OF WASHINGTON

SHOWING LOCATION OF FATAL CASES OF ACUTE LUNG DISEASES
FOR THE YEAR ENDED JUNE 30, 1918.

Pneumonia, Bronchitis, and other Acute Lung Diseases . . . (White X)

(Black X)

Reno

GRANT ROAD

BLAIR ROAD

Langdon



NºV.

MAP

OF THE

CITY OF WASHINGTON

SHOWING
LOCATION OF FATAL CASES OF CONSUMPTION FOR THE
YEAR ENDED JUNE 30, 1898.

EXPLANATION:

CONSUMPTION . . . { White : Colored :

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